

2025 ルール改訂

Rule revision

V.1.4 Ground Clearance V.1.4.2 rule changed.

2024

V.1.4.2 The distance to the ground below the Lower Side Impact Structure (F.6.4.5, F.7.5.1) at its lowest point should be 75 mm or less

2025

V.1.4.2 The distance to the ground below the Lower Side Impact Structure (F.6.4.5, F.7.5.1) at its lowest point must be 90 mm or less and the distance to the ground should be 75 mm or less.

- There must be an opening for measuring the ride height at that point without removing aerodynamic devices

Lower SISの最下点から地面までの距離は90mm以下でなければならず、75mm以下であることが望ましい。

a. 実測のためにエアロを外すことなく測れる開口部を有している必要がある

F.3.2 Tubing Requirements F.3.2.1 rule changed.

F.3.2.1 Requirements by Application

2024

Application	Steel Tube Must Meet Size per F.3.4: Size B	Alternative Tubing Material Permitted per F.3.5 ?
m. Accumulator Protection Structure		Yes

2025

Application	Steel Tube Must Meet Size per F.3.4: Size B	Alternative Tubing Material Permitted per F.3.5 ?
m. Accumulator Mounting and Protection		Yes

ACC Container Mount must be mounted on a Size-B pipe.
 ACC Container Mount はSize-Bのパイプに取り付けなければならなくなった

F.4.2 Laminate and Material Testing

2025

F.4.2.6 rule changed.

F.4.2.6 Lap Joint Test

The Lap Joint Test measures the force required to pull apart a joint of two laminate samples that are bonded together

Addition { a. A joint design with two perpendicular bond areas may show equivalence using the shear performance of the smaller of the two areas }

2つの垂直な接着領域を持つ締結は、2つの領域のうち小さい方のせん断性能を使用して同等性を示すことができる。

2025

F.4.3 rule was added.

F.4.3 Use of Laminates

- F.4.3.1 Unidirectional plies must be enclosed by balanced plies. Unidirectional plies should not be the nearest plies to core material.
- F.4.3.2 The monocoque must have the tested layup direction normal to the cross sections used for Equivalence in the SES, with allowance for taper of the monocoque normal to the cross section.
- F.4.3.3 Results from the 3 point bending test will be assigned to the 0 layup direction.
- F.4.3.4 All material properties in the directions designated by the SES must be 50% or more of those in the tested "0" direction as calculated by the SES

F.4.3.1 不織Plyがコアと近接する配置は禁止 (必ず織られたPlyがコアを挟んでいる必要がある)

F.4.3.2 テストパネルの方向はSESで強度を計算する方向と合わせなければならない

F.4.3.3 3点曲げ試験の結果は0degに合わせていなければならない (0degの基準明確化)

F.4.3.4 0degに対し、他の方向への物性値はSES計算上で50%を切ってはならない

2025

F.5.6 rule changed.

F.5.6 Roll Hoops

F.5.6.1 The Chassis must include a Main Hoop and a Front Hoop

F.5.6.2 The Main Hoop and Front Hoop must be Triangulated into the Primary Structure with Structural Tubing

F.5.6.3 Any front or side view Roll Hoop bend below the respective Roll Hoop Braces must be one of the two:

- a. Triangulated at a side view node
- b. Less than 25 mm from an Attachment point **F.7.8**

F.5.6.3 各ロールフープブレースの下で前面または側面の曲げは、次のいずれかでなければならない

- a. 側面ビューのノードでトラス構造をとる
- b. 取付点から25 mm以内にある

Roll Hoopについて、前面視ではUpper SISより下で曲げが必要であったが、2025ではMHBやFHBより下のどこが曲がっていてもサポートが必要になった
Regarding Roll Hoop, it was necessary to bend it below the Upper SIS in the front view. In 2025, no matter where it was bent below MHB or FHB, it need support.

2025

F.5.11 rule changed.

F.5 CHASSIS REQUIREMENTS

F.5.11 External Items

F.5.11.1 Definition - items outside the exact outline of the part of the Primary Structure Envelope **F.1.11** defined by the Main Hoop Braces and the parts of the Main Hoop tubes above other tube nodes or composite attachments

F.5.11.2 External Items may be mounted on the outside of the Main Hoop or Main Hoop Brace tubes if the mount is one of the two:

- a. Located at the Main Hoop to Main Hoop Brace node and is rotationally free about an axis
- b. Above additional bracing meeting **F.3.2.1.o**, with calculations that show the mount will fail below the allowable load as calculated by the SES

F.5.11.3 If mounted between the tubes of the Main Hoop and Main Hoop Braces, these items may attach to the Main Hoop or Main Hoop Brace tubes and do not need to meet **F.5.11.2 above**:

- a. Crushable lightweight bodywork, intake manifolds, Head Restraint, Manual Service Disconnect, Master Switches or Shutdown Buttons
- b. Lightweight mounts for items inside the Main Hoop Braces

F.5.11.4 Engine mount, motor mounts. or Accumulator Containers should not mount to the span of the Main Hoop Braces or Main Hoop above other tube nodes or composite attachments

F.5.11.5 Items outside the Primary Structure from the Main Hoop Braces and Main Hoop tubes must be longitudinally offset to avoid point loading in a rollover

F.5.11.1 定義：[MHB]と[MHの他の構造とのノードより上]でなすPrimary Structure Envelopeの外側にある物は全てExternal Itemsである

F.5.11.2 取付方法

- a. MHとMHBのなすノードにあって、回転自在に取り付けられていること(ボルト1本留)
- b. 追加のブレースを入れ、かつSESで計算される荷重以下でマウントが破壊されること

F.5.11.3 F.5.11.2の除外項目

- a. 簡単に壊れるような軽い外装、インテークマニホールド、ヘッドレスト、HVDなどのサービスディスコネクト、マスタースイッチ、シャットダウンボタン
- b. MHBより内側に付くものための軽量なマウント

F.5.11.4 エンジン/モータマウント、ACCは[MHB]や[MHの他の構造とのノードより上]にマウントするべきではない

F.5.11.5 MHやMHBの外にある物は、一点荷重にならないように長手方向にOffsetさせる必要がある

2025

F.5.14.d rule was added.

F.5.14 Steering Protection

Steering system racks or mounting components that are external (vertically above or below) to the Primary Structure must be protected from frontal impact.

The protective structure must:

- a. Be **F.3.2.1.n** or Equivalent
- b. Extend to the vertical limit of the steering component(s)
- c. Extend to the local width of the Chassis
- d. Meet **F.7.8** if not welded to the Chassis ← Addition

追加

d. シャシーに溶接ではない場合は、F.7.8に適合すること。

2025

F.6.4.4.b rule changed.

F.6 TUBE FRAMES

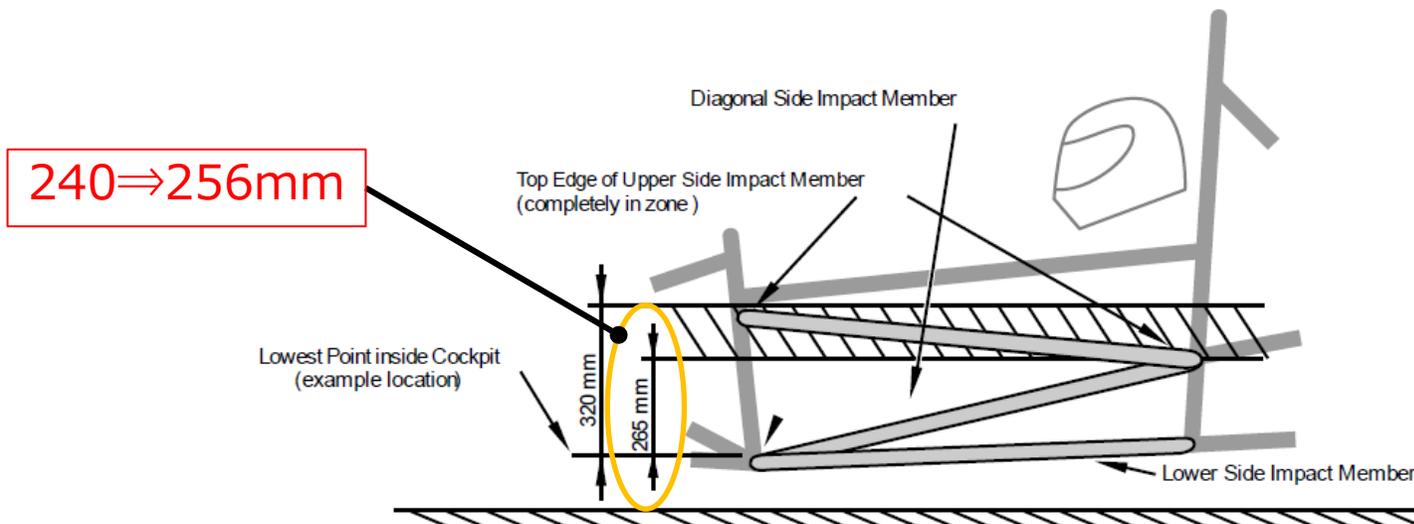
F.6.4 Side Impact Structure

F.6.4.4 The Upper Side Impact Member must:

- a. Connect the Main Hoop and the Front Hoop.
- b. Have its top edge entirely in a zone that is parallel to the ground between 265 mm and 320 mm above the lowest point of the top surface of the Lower Side Impact Member

Upper-SISの高さ範囲が240-320mm⇒265-320mmに変更

Upper SISの全体の上端面で計測する(従来はUpper-SIS全体が範囲内にある必要があった)



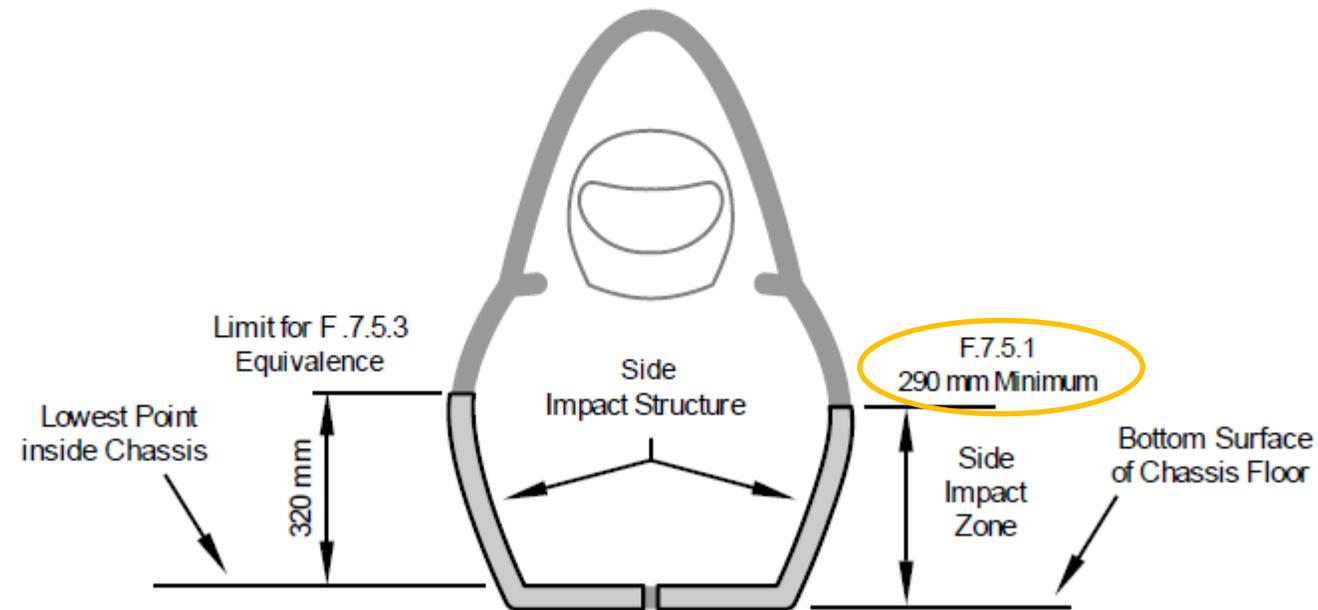
2025

F.7.5.1 rule changed.

F.7 MONOCOQUE

F.7.5 Side Impact Structure

F.7.5.1 **Side Impact Zone** - the region longitudinally forward of the Main Hoop and aft of the Front Hoop consisting of the combination of a vertical section minimum 290 mm in height from the bottom surface of the floor of the monocoque and half the horizontal floor



Monocoque SISの高さに290mmの下限値を設定

2025

F.8.5.6.a/b rule was added.

F.8 FRONT CHASSIS PROTECTION

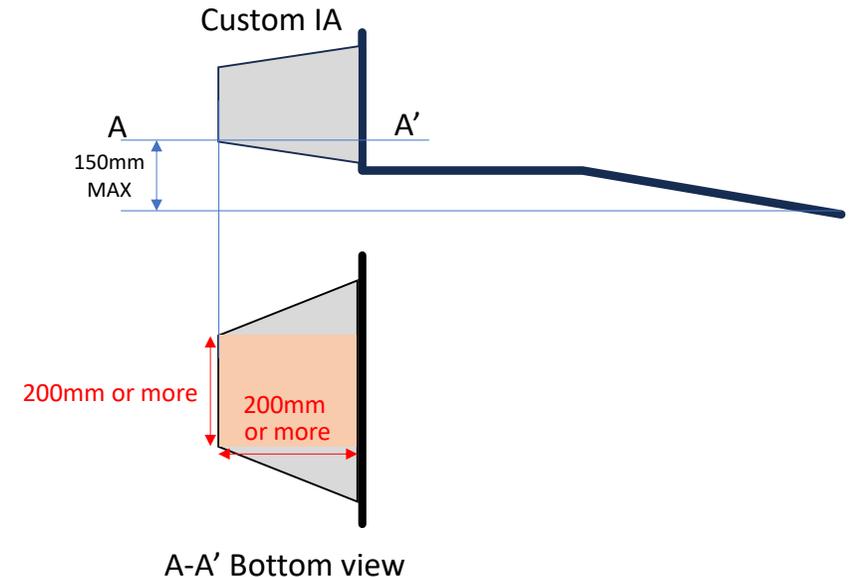
F.8.5 Impact Attenuator Attachment

F.8.5.6 Impact Attenuator Position

- a. All Impact Attenuators must mount with the bottom leading edge 150 mm or less above the lowest point on the top of the Lower Side Impact Structure
- b. A Custom Impact Attenuator must mount with an area of 200 mm or more long and 200 mm or more wide that intersects a plane parallel to the ground that is 150 mm or less above the lowest point on the top of the Lower Side Impact Structure

a. IA下側面の高さ規定について
 Lower SIS上面の最も低い点からの距離が
220mm以下⇒150mm以下に低くなった

b. カスタムIAの高さ規定について
 Lower SIS上面の最も低い点からIAが交差する高さの変更
220mm未満⇒150mm以下になった
 (IA奥行200mm,幅200mm以上なければならない)



F.8.5.6 Position of Custom IA

2025

F.9.1.1. rule changed.

F.9 FUEL SYSTEM (IC ONLY)

Fuel System Location and Protection are subject to approval during SES review and Technical Inspection.

F.9.1 Location

F.9.1.1 These components must be inside the Primary Structure (F.1.10):

- a. Any part of the Fuel System that is below the Upper Side Impact Structure
- b. Parts of the Fuel Tank other than the Fuel Filler Neck and Sight Tube above the Upper Side Impact Structure **IC.1.2**

F.9.1.1 a. Upper SISより低い燃料系は全てPrimary Structureの中に無ければならない

b. FillerNeckとSightTubeを除く燃料タンクのUpperSISより高い部分も
Primary Structureの内側でなければならない

※2024年までは、地上から350mm以下の全ての燃料系に対してのみ定義されていた。

2025

F.10.2.3/10.2.6 rule changed.

F.10 ACCUMULATOR CONTAINER (EV ONLY)

F.10.2 Structure

F.10.2.3 Internal Vertical Walls:

- a. Must surround and separate each Accumulator Segment **EV.5.1.2**
- b. Must have minimum height of the full height of the Accumulator Segments

The Internal Walls should extend to the lid above any Segment

- c. Must surround no more than 12 kg on each side

The intent is to have each Segment fully enclosed in its own six sided box

F.10.2.6 Covers and Lids must be mechanically attached and include **Positive Locking Mechanisms**

F.10.2.3

Internal wallを定義。各Sectionの概念を廃止し、各Segmentを仕切らなければならなくなった
(従来は1 Sectionに12kgまでなら複数Segmentでも問題なかった)

F.10.2.6

ACC Containerの蓋にPositive Lockが必要になった

2025

F.10.3.1/10.3.2 rule changed.

F.10 ACCUMULATOR CONTAINER (EV ONLY)

F.10.3 Cells and Segments

F.10.3.1 The structure of the Segments (without the structure of the Accumulator Container and without the structure of the cells) must prevent cells from being crushed in any direction under the following accelerations:

- a. 40 g in the longitudinal direction (forward/aft)
- b. 40 g in the lateral direction (left/right)
- c. 20 g in the vertical direction (up/down)

F.10.3.2 Segments must be held by one of the two:

- a. Mechanical Cover and Lid attachments must show equivalence to the strength of a welded joint **F.10.2.5.a**
- b. Mechanical Segment attachments to the container must show they can support the acceleration loads **F.10.3.1 above** in the direction of removal

**F.10.3.1 Segmentの構造(AccやCellを除いたSegmentそのものの構造)がクラッシュ時の衝撃(前後左右40G, 上下20G)に耐えなければならない
(従来の表記(2024年のF.10.3.4)だとSegmentを入れている部分の強度を示していたが、2025年からSegmentそのものの強度に変更)
(The previous notation (F. 10.3. 4 in 2024) used to indicate the intensity of the segment. In 2025, this was changed to the intensity of the segment itself.)**

F.10.3.2 Segmentは下記いずれかの取り付け方法でなければならない

- a. Cover/Lidが溶接F.10.2.5a 相当の強度での取り付け
- b. 外れる方向に対して F.10.3.1の条件でAttachmentが耐えることを示す

2025

F.11.3.1 Changed.

F.11.3 Rear Impact Protection

F.11.3.1 All Tractive System components must be protected from rear impact by a Rear Bulkhead

- a. When the Rear Bulkhead is 100 mm or less from an Accumulator Container, the structure must be Equivalent to Side Impact Structure (F.6.4, F.7.5)
- b. When the Rear Bulkhead is more than 100 mm from an Accumulator Container, the structure must meet **F.5.16 Component Protection**
- c. The Accumulator Container must not be part of the Equivalent structure

- 2024年ではAll Accumulator Containersと表記されていたものが、All Tractive System componentsに変更された。
2024 “All Accumulator Containers”⇒2025” All Tractive System components”
- 2024年ではRear impact structureと表記されていたものが、Rear Bulkhead変更された。
2024 “Rear impact structure”⇒2025” Rear Bulkhead”

2025

F.11.3.5 Changed. (F.11.2.2 in 2024)

F.11 TRACTIVE SYSTEM (EV ONLY)

F.11.3 Rear Impact Protection

F.11.3.5 In rear view, the Rear Bulkhead must protect the Tractive System components with a diagonal structure or X brace that meets **F.11.3.1 above**

a. Differential mounts, two vertical tubes with similar spacing, a metal plate, or an Equivalent composite panel may replace a diagonal

If used, the mounts, plate, or panel must:

- Be aft of the upper and lower Rear Bulkhead structures
- Overlap at least 25 mm vertically at the top and the bottom

b. A metal plate or composite Equivalent may replace upper, lower, and diagonal tubes.

If used, the plate must:

- Fully overlap the Rear Bulkhead Support **F.11.3.3 above**
- Attach by one of the two, as determined by the SES:
 - Fully laminated to the Rear Bulkhead or Rear Bulkhead Support
 - Attachment strength greater than 120 kN

F.11.3.5 背面から見て、Rear Bulkheadは上記F.11.3.1を満たす対角構造またはXブレースでTractive systemの構成部品を保護しなければならない。

a. ディファレンシャルマウント、同程度の間隔を有する2本の垂直チューブ、金属プレート、または同等の複合パネルをダイアゴナルの代わりに使用する場合、マウント、プレート、またはパネルは、以下の条件を満たす必要があります。

- 上部と下部のRear Bulkhead structuresの後方にある
- 上部と下部が垂直に25 mm以上重なる

b. 上部、下部および対角チューブの代わりに、金属プレートまたは複合同等物を使用してもよい。

使用する場合、プレートは以下でなければならない:

- 上記のRear Bulkhead Support F.11.3.3と完全に重なる
- SESによって決定された2つのうちの1つによって取り付けること
 - Rear BulkheadまたはRear Bulkhead Supportに完全にラミネートされている
 - 120kNを超える取り付け強度

2025

T.1.8.4 Changed. (T.1.9.2 in 2024)

T.1.8 Firewall

T.1.8.4 (EV only) The Firewall or the part of the Firewall on the Tractive System side must be:

- a. Made of aluminum. The Firewall layer itself must not be aluminum tape.
- b. Grounded, refer to **EV.6.7 Grounding**

Addition

T.1.8.4 (EVのみ) Firewallそのもの、またはTractive Systemに面しているFirewallの一部は、

- a. アルミでできていること(ファイアウォールのレイヤーそのものはアルミテープであってはならない)
- b. EV.6.7に示す接地処理が必要

2025

T.2.6.3.c was added.

T.2.6 Shoulder Harness

T.2.6.3 The Shoulder Belts must attach by one of the four:

- a. Wrap around the Shoulder Harness Mounting bar
- b. Bolt through a welded tube insert or tested monocoque attachment **F.7.9**
- c. Bolt to a well gusseted tab behind the Shoulder Harness Mounting Bar or clip to an eye (**T.2.4.3**) loaded in tension on the Shoulder Harness Mounting bar
- d. Wrap around physically tested hardware attached to a monocoque

←Addition

T.2.6.3 “c”に、アイはSHBを引張るように取り付けなければならない。が追加された
(SHBがねじられるような取り付け：アイボルトのアイが横に引っ張られるような取り付けはNot OKになる)
(Installation with SHB twisted: installation with eye bolt eye pulled sideways is not OK)

2025

T.8.3.3 was added.

T.8.3 Positive Locking Mechanisms

T.8.3.3 If the Positive Locking Mechanism is by prevailing torque lock nuts:

- a. Locking fasteners must be in as new condition
- b. A supply of replacement fasteners must be presented in Technical Inspection, including any attachment method

T.8.3.3 ポジティブロックがprevailing torque lock nutsの場合：

- a. 新品同様のコンディションでなければならない
- b. 交換部品および取り付け方法を技術車検で提示しなければならない

2025

VE.3.2.2 changed.

VE.3 DRIVER EQUIPMENT

VE.3.2 Helmet

VE.3.2.2 Acceptable helmet standards are listed below. Any additional approved standards are shown on the Technical Inspection Form or the FAQ on the FSAE Online website

- a. [Snell](#) K2015, K2020, M2015, M2020D, M2020R, M2025D, M2025R, SA2015, SA2020, SA2025
- b. [SFI Specs](#) 31.1/2015, 41.1/2015
- c. [FIA Standards](#) FIA 8860-2010 (or newer), FIA 8859-2015 (or newer)

2024

Delete

- a. [Snell](#) ~~K2010~~, K2015, K2020, ~~M2010~~, M2015, M2020, ~~SA2010~~, ~~SAH2010~~, SA2015, SA2020
- b. [SFI Specs](#) ~~31.1/2010~~, 31.1/2015, ~~41.1/2010~~, 41.1/2015
- c. [FIA Standards](#) ~~FIA 8860-2004~~, FIA 8860-2010, FIA 8860-2018, FIA 8859-2015

2025

Addition

- a. [Snell](#) K2015, K2020, M2015, [M2020D](#), [M2020R](#), [M2025D](#), [M2025R](#), SA2015, SA2020, [SA2025](#)
- b. [SFI Specs](#) 31.1/2015, 41.1/2015
- c. [FIA Standards](#) FIA 8860-2010 (or newer), FIA 8859-2015 (or newer)