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TECHNICAL MEMO

VPRC TECHNICAL MEMO #25-01c1

To: All IMSA VP Racing SportsCar Challenge Participants
From: IMSA Competition
Date: October 28, 2024
Re: 2025 Series Electronics Update - **Corrected**

Applies to P3:

IMSA is implementing updates to the required P3 Series Electronics utilized in the IMSA VP Racing SportsCar Challenge (VPRC) effective for the start of the 2025 Season. This Memo will serve as a guide to the updates in the P3 Class for 2025. The 2025 Technical Regulations by Class will serve as the official requirements. Ordering information can be found in the 2025 Electronics Ordering Link on the [Team Portal](#). **Link updated**

Leader Light Panels (P3):

In the 2024 season, IMSA permitted the use of both the MoTeC and XAP leader light solutions. The XAP system is mandatory for the 2025 Season. MoTeC leader light equipment will no longer be permitted in 2025. The XAP leader light panels are designed as a drop-in solution and intended to improve the robustness of the system while reducing the cost of commonly replaced parts. Voltage and current requirements are consistent with the previous MoTeC leader light system. The XAP leader light system requires a single module controller which is linked to the two panels. The leader light and XAP display will use one harness to interface with the car. It will connect the XAP NTX Display and X2 Transponder.

Marshalling Display (P3):

The XAP NTX Marshalling Display provides indication of track condition with scalability to real time marshalling. In addition to track condition, the display can provide basic information to the Driver such as lap time.

This high-definition display comes in a waterproof aluminum housing and is required in all Cars for 2025. For the 2025 season, the XAP NTX Dash is mandatory for track condition notification other Safety Light Kits are no longer permitted. Track Condition Radio (MSE) and antenna kit utilized in 2024 are required for functionality.

Applies to GSX:

IMSA is implementing updates to the required GSX Series Electronics utilized in the IMSA VP Racing SportsCar Challenge (VPRC) effective for the start of the 2025 Season. This memo will serve as a guide to the updates in the GSX Class for 2024. The 2025 Technical Regulations by Class will serve as the official requirements. Ordering information can be found in the 2025 Electronics Ordering Link on the [Team Portal](#).

CAN Communication (GSX):

The XAP NTX dash will serve as a scrutineering logger. This will require a logger software unlock performed annually by Creative Motorsports Solutions (CMS). Unlocked logger software purchased for the 2024 Season will be valid for the 2025 Season. This configuration will require an IMSA to SRO logging adapter (CMS2024-1578) and an adapter loom from the SRO loom to the IMSA loom. The CMS harness will connect the vehicle CAN interface to the logger which will log the IMSA Scrutineering CAN template as defined by the Manufacturer. This will be required for all GSX Cars.



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The IMSA loom from CMS requires annual certification, must be sent with an anticipated turnaround time of 3-weeks.

Creative Motorsports Solutions (Florida)

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USB Type B connector included with IMSA loom must be mounted in visible and accessible location near dash. Must be accessible from the right-side exterior of the vehicle for configuring the logger and downloading data. See image below for recommended mounting location.

