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| ²Une image contenant Police, Graphique, logo, capture d’écran  Le contenu généré par l’IA peut être incorrect. | Une image contenant noir, noir et blanc, capture d’écran, conception  Le contenu généré par l’IA peut être incorrect. |
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Rapport de Dépouillement Automatique EVA

Entreprise Mère : RENAULT GROUP

Entreprise Principale : AMPERE SAS

Équipe : Validation Système des Véhicules Électriques (RAM32)

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## 1) Données véhicule

|  |  |
| --- | --- |
| VIN |  |
| N° mulet |  |
| Référence projet |  |
| SWID |  |

## 2) Use Cases détectés

Une ligne = 1 détection (événement). La colonne “N° occurrence” est numérotée automatiquement par UC.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| # | UC | Type | N° occurrence | TSTART | TEND | Durée |
| 1 | UC 1.1 | Réveil | 1 | 00:01:12.500 | 00:02:45.000 | 01:32.500 |
| 2 | UC 1.2 | Traction | 1 | 00:05:10.000 | 00:12:31.700 | 07:21.700 |
| 3 | UC 1.3 | Arrêt + Rendormissement | 1 | 00:15:02.200 | 00:18:10.000 | 03:07.800 |
| 4 | UC 1.1 | Réveil | 2 | 00:22:00.000 | 00:23:28.200 | 01:28.200 |

## 3) Détails par UC détecté

### UC 1.1 — Réveil

Signaux SWEET (colonne E du PVAL) ou 500 sa dépend ce qui est sélectionner dans interface

s ou jai sélectionner sweet 400 ET MY FX 2

|  |  |  |  |
| --- | --- | --- | --- |
| SIGNALE EVA | SIGNAL SWEET | GRAPHE | STATUT |
| BMS\_HVNetworkVoltage\_BLMS = | BMS\_HVNetworkVoltage\_v2 |  |  |
| ME\_InverterHVNetworkVoltage\_BLMS | InverterHVNetworkVoltage |  |  |
| PowerRelayState\_BLMS = | PowerRelayState = |  |  |
| DCDCHVNetworkVoltage\_EVA | DCDCHVNetworkVoltage\_V2 |  |  |
| HVbatInstantCurrent\_BLMS\_v2 | HVBatInstantCurrent\_v3 |  |  |
| HVIsolationImpedance\_BLMS | HVIsolationImpedance\_RCY |  |  |
| NumHVbattRelaysOpening\_BLMS | Vnx\_hv\_cnt\_ctr |  |  |
| ME\_InverterCurrent\_BLMS\_v2 | ME\_InverterCurrent |  |  |
| HSG\_InverterCurrent\_BLMS\_v2 | HSG\_InverterCurrent\_BLMS\_v2 |  |  |
| DCDCCurrentOutput\_BLMS | DCDCCurrentOutput |  |  |
| AllowedBatteryPower\_BLMS | AvailablePower\_v5 |  |  |
| DCDCInputPower\_EVA | DCDCInputPower |  |  |
| BMS\_FaultType\_BLMS | BMS\_FaultType |  |  |
| HVBatterySOC\_BLMS | HVBatterySOC\_HV |  |  |
| BMS2\_FaultType\_BLMS = | BMS2\_FaultType |  |  |
| ME\_ElecMachineWorkingMode\_BLMS | ElecMAchineWorkingMod |  |  |
| AuxConsumption\_LastTrip | Vxx\_aux\_cum\_cons\_last\_trp\_100ms |  |  |
| TotalConsumption\_LastTrip | Vxx\_cum\_cons\_last\_trp\_100ms |  |  |
| ACchargeInletTemp\_BLMS  ChargingPlugConnected\_v2  CHGAvailableChargingPower\_BLMS  CHGTemp\_BLMS  CHGWaterTemp\_BLMS  ChargeSpotPowerLevel  HVbatteryChargeType\_v2  NumACchargeStarts\_BLMS  CHGMaxACCurrent\_BLMS  HVBatterySOC\_BLMS  HVBatteryEnergyLevel  UserSOC  ProgrammedChargeStatus  HVBatInstantCurrent\_v3  BMS\_HVNetworkVoltage\_BLMS  ChargingPower\_BLMS  ChargingAlert\_v2  HVBatStartOfChargeTrigger  ChargeProhibitionByRentalDisplay  ChargingStatusDisplay  NumberOfPhasesUsed\_BLMS  ChargeRemainingTimeDisplay\_V2  TimeHour  TimeMinute  TimeWeekDay  DistanceTotalizer  CPLC\_RequestedEnergyTransferMode  HVChargerStatus |  |  |  |
| GearboxPositionTarget\_EVA  ParkStatus\_EVA  SCU\_Button1\_EVA |  |  |  |
| EngCoolPmpSpdMes\_EVA  EngCoolPmpSpdTgt\_EVA  CoolanttankValveReq\_EVA  WcacWaterCoolTemp\_EVA  WcacWaterCoolPumpMes\_EVA  WcacWaterCoolPumpTgt\_EVA  EpwtWaterCoolPumpMes\_EVA  HeatLoopWaterTemp  EngineFanSpeedRequestPWM\_ECM  HeatLoopWaterPumpRequest |  |  |  |
| ME\_TorqueRequest\_v2  ME\_ElecMachineTorque\_HV  ME\_ElecMachineMaxMotorTorque\_v2 = ME\_ElecMaxMotorTorque\_BLMS  ME\_ElecMachineMaxGenTorque = ME\_ElecMachineMaxGenTorque\_BLMS  ME\_SafetyMaxTorque\_v2 = ME\_SafetyMaxTorque\_BLMS  ME\_SafetyMinTorque\_v2 = ME\_SafetyMinTorque\_BLMS  ElecMachineSpeed\_HV = ElecMachineSpeed\_EDR  ME\_ControlMode = ME\_ControlMode\_EVA  ME\_ControlModeStatus = ME\_ControlModeStatus\_EVA  InverterTemp = ME\_InverterTempDeg\_BLMS  ME\_InverterCurrent = ME\_InverterCurrent\_BLMS\_v2  ElecMachineTemp = ME\_ElecMachineTempDeg\_BLMS  PEBWaterTemp = PEBWaterTemp\_BLMS  ETSCoolantFlow = ETSCoolantFlow\_EVA  ME\_DeactivationRequest = ME\_DeactivationRequest\_EVA  ME\_DeactivationStatus = ME\_DeactivationStatus\_EVA  ME\_InverterFaultType\_HV = ME\_InverterFaultType\_BLMS  ME\_ElecSysFailureDisplay = ME\_ElecSysFailureDisplay\_EVA  ME\_ElecMotorFailureDisplay = ME\_ElecMotorFailureDisplay\_EVA  HSG\_TorqueRequest\_v2 = HSG\_TorqueRequest\_BLMS  HSG\_ElecMachineTorque = HSG\_ElecMachineTorque\_BLMS  HSG\_ElecMachineMaxMotorTorque\_v3  HSG\_ElecMachineMaxGenTorque\_v3 = HSG\_ElecMaxGenTorque\_BLMS  HSG\_SafetyMaxTorque\_v2 = HSG\_SafetyMaxTorque\_BLMS  HSG\_SafetyMinTorque\_v2 = HSG\_SafetyMinTorque\_BLMS  HSG\_ElecMachineSpeed = HSG\_ElecMachineSpeed\_BLMS  HSG\_ControlMode = HSG\_ControlMode\_EVA  HSG\_ControlModeStatus = HSG\_ControlModeStatus\_EVA  HSG\_InverterTemp = HSG\_InverterTemp\_BLMS  HSG\_InverterCurrent\_v2 = HSG\_InverterCurrent\_BLMS\_v2  HSG\_ElecMachineTemp = HSG\_ElecMachineTemp\_BLMS  PEBWaterTemp = PEBWaterTemp\_BLMS  ETSCoolantFlow = ETSCoolantFlow\_EVA  HSG\_DeactivationRequest = HSG\_DeactivationRequest\_EVA  HSG\_DeactivationStatus = HSG\_DeactivationStatus\_EVA  HSG\_InverterFault\_Type = HSG\_InverterFault\_Type\_EVA  HSG\_ElecSysFailureDisplay = HSG\_ElecSysFailureDisplay\_EVA  HSG\_ElecMotorFailureDisplay = HSG\_ElecMotorFailureDisplay\_EVA | BREF en gros le signal un il doit être placé dans COLONNE EVA BLMS signale Eva et le signal 2 après le égal il doit être placé dans cette colonne là pour tout |  |  |
| HVBatterySOC\_HV = HVBatterySOC\_BLMS = Vxx\_hvb\_bsoc\_mux  HVBatteryEnergyLevel = Vxx\_hvb\_soc\_mmi\_100ms  HVBatteryCoolingLoopTemperature = HVBatteryCoolingLoopTemp = Vxx\_hvb\_wat\_brnc\_temp  HVB\_CellOverVoltageAlert = HVB\_CellOverVoltageAlert\_HV = Vbx\_bat\_ov\_v\_alert\_hevc\_gw\_mux  HVB\_CellUnderVoltageAlert = HVB\_CellUnderVoltageAlert\_HV = Vbx\_bat\_ud\_v\_alert\_hevc\_gw\_mux  AvailableEnergy\_HEVC = AvailableEnergy\_v2 = Vxx\_hvb\_avl\_dchg\_egy\_est\_mux  HVBatHealth\_BLMS = HVBatHealth\_v2 = Vxx\_hvb\_soh\_mux\_100ms  $9021, $9022, $9023, $9024, $9025, $9026, $9027, $9028, $9029, $902A, $902B, $902C, $902D, $902E, $902F, $9030, $9031, $9032, $9033, $9034, $9035, $9036, $9037, $9038, $9039, $903A, $903B, $903C, $903D, $903E, $903F, $9041, $9042, $9043, $9044, $9045, $9046, $9047, $9048, $9049, $904A, $904B, $904C, $904D, $904E, $904F, $9050, $9051, $9052, $9053, $9054, $9055, $9056, $9057, $9058, $9059, $905A, $905B, $905C, $905D, $905E, $905F, $9061, $9062, $9063, $9064, $9065, $9066, $9067, $9068, $9069, $906A, $906B, $906C, $906D, $906E, $906F, $9070, $9071, $9072, $9073, $9074, $9075, $9076, $9077, $9078, $9079, $907A, $907B, $907C, $907D, $907E, $907F, $9081, $9082, $9083  Ztx\_prk\_mtrx : Parking history (T°Max/BSOC) ( $91D2)  Zxx\_kwh\_chg : Charge Deplating Driving history (T°Max/BSOC) ($91D1)  Zxx\_kwh\_chg : Cumulated energy in charge ($9243)  Zxx\_kwh\_dch\_cd : Cumulated energy in discharge : CD mode ($9245)  Zxx\_Abs\_Time\_Pack\_saved: Absolute Time ($91C1)  Zxx\_dist\_pack\_mem : Battery mileage ($91CF)  Ztx\_BIN : Battery Identification Number ($901B)  $9208  $920D  $91BB  $91BC  HVBatResistiveStateOfHealth\_BLMS = HVBatResistiveStateOfHealth = Vxx\_hvb\_rstv\_soh\_hevc\_gw\_mux  HVBatSerialNumber\_BLMS = HVBatSerialNumber = Vnx\_hvb\_ser\_nr\_hevc\_gw\_mux  BMS\_CellHighestVoltageID\_BLMS = BMS\_CellHighestVoltageID = Vxx\_bms\_h\_v\_id\_hevc\_gw\_mux  BMS\_MaxTempProbeID\_BLMS = BMS\_MaxTempProbeID = Vxx\_bms\_max\_temp\_hevc\_gw\_mux  BMS\_CellLowestVoltageID\_BLMS = BMS\_CellLowestVoltageID = Vxx\_bms\_l\_v\_id\_hevc\_gw\_mux  BMS\_MinTempProbeID\_BLMS = BMS\_MinTempProbeID = Vxx\_bms\_min\_temp\_hevc\_gw\_mux  BusbarUnscrewingAlert = BusbarUnscrewingAlert\_HV =  WarmUpRequest\_EVA  TiAlertDisplay\_EVA = BMS\_TiAlertDisplay = Vbx\_fail\_dspl\_33\_act\_cont\_cs\_100ms  BMS2\_FaultType\_BLMS = BMS2\_FaultType = Vnx\_bms2\_fault\_typ\_hevc\_gw\_trsm  BMS\_FaultType\_BLMS = BMS\_FaultType = Vnx\_bms1\_fault\_typ\_hevc\_gw\_trsm  CellHighestVoltage\_BLMS = CellHighestVoltage = Vxx\_hvbcell\_max\_v\_mes\_mux  CellLowestVoltage\_BLMS = CellLowestVoltage = Vxx\_hvbcell\_min\_v\_mes\_mux  HVbatInstantCurrent\_BLMS\_v2 = HVBatInstantCurrent\_v3 = Vxx\_hvb\_i\_mes\_mux  HVbatteryTemperature = HVBatteryTemp = Vxx\_hvb\_temp\_mux\_100ms  HVBatteryTempMax\_BLMS = HVBatteryTempMax = Vxx\_hvb\_max\_temp\_mux\_100ms  HVBatteryTempMin\_BLMS = HVBatteryTempMin = Vxx\_hvb\_min\_temp\_mux\_100ms  OperatingTypeStatus\_BLMS = OperatingTypeStatus = Vnx\_bms1\_mod\_hevc\_mux  OperatingTypeStatus\_BLMS = OperatingTypeStatus\_RCY = Vnx\_bms2\_mod\_mux  BMS\_HVNetworkVoltage\_BLMS = BMS\_HVNetworkVoltage\_v2 = Vxx\_hvbus\_v\_hvb\_mux  TotalRecovery\_LastTrip = Vxx\_tot\_rcv\_cum\_cons\_last\_trp\_100ms  HVBatteryPressure\_EVA  HeatingGridCurrentRequest\_EVA  StateOfCertifiedEnergy  HVB\_Cell01Voltage to HVB\_Cell96Voltage  Externaltemperature = Vxx\_env\_temp\_mux  USERSOC = USERSOC\_HV = Vxx\_hvb\_soc\_hevc\_gw\_trsm  CoolingBattery\_HVACmode = Vbx\_hvb\_cool\_hvac\_mux  InputPower\_AC\_INV = Vxx\_ac\_pow\_cons\_mux  HVInputPowerAvailableFromBattery = Vxx\_thrml\_cmf\_pow\_lim\_100ms  CumulatedBalancingTime = CumulatedBalancingTime\_HV  CumulatedCapacityBalanced = CumulatedCapacityBalanced\_HV  PowerRelayState\_BLMS = PowerRelayState = Vnx\_hvsys\_cnt\_hevc\_trsm  PreConditioningBattery\_HVACmode = Vbx\_hvb\_cond\_hvac\_mux  PresoakImmediate\_HVACmode = Vbx\_cab\_imd\_psoak\_hvac\_mux  PresoakProg\_HVACmode = Vbx\_cab\_prog\_psoak\_hvac\_mux  DistanceTotalizer = Vxx\_vh\_tot\_dist\_mux  TripUnitDistance = Vnx\_dist\_unit\_mux  VehicleAutonomyZEVdisplay |  |  |  |
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Exigences liées

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| --- | --- | --- |
| ID Exigence | Résultat | Signaux NOK |
| REQ\_SYS\_HV\_NW\_Remote\_148 | OK/NO | — |
| REQ\_SYS\_Comm\_488  REQ\_SYS\_Comm\_489  REQ\_SYS\_Comm\_490  REQ\_SYS\_Comm\_491  REQ\_SYS\_Comm\_492  REQ\_SYS\_Comm\_493  REQ\_SYS\_Comm\_502  REQ\_SYS\_Comm\_503  REQ\_SYS\_Comm\_507  REQ\_SYS\_Comm\_508  REQ\_SYS\_Comm\_509  REQ\_SYS\_Comm\_510  REQ\_SYS\_Comm\_511  REQ\_SYS\_Comm\_512  REQ\_SYS\_Comm\_513  REQ\_SYS\_Comm\_514  REQ\_SYS\_Comm\_515  REQ\_SYS\_Comm\_516  REQ\_SYS\_Comm\_517  REQ\_SYS\_Comm\_518  REQ\_SYS\_AC-Charge\_489  'REQ\_SYS\_Combo-Fast-Charge\_458  'REQ\_SYS\_Peak-Off-Charge-Opt\_68  'REQ\_SYS\_AC-Charge\_329  REQ\_SYS\_Electric\_drive\_1310  REQ\_SYS\_Electric\_drive\_1312  REQ\_SYS\_Electric\_drive\_1310  REQ\_SYS\_Electric\_drive\_1312  REQ\_SYS\_Cooling\_Design\_2618  REQ\_SYS\_Cooling\_Design\_2616  REQ\_SYS\_Cooling\_Design\_2614  REQ\_SYS\_Cooling\_Design\_2612  REQ\_SYS\_Cooling\_Design\_2610  REQ\_SYS\_Cooling\_Design\_2608  REQ\_SYS\_Cooling\_Design\_2606  REQ\_SYS\_Cooling\_Design\_2605  REQ\_SYS\_Cooling\_Design\_2603  REQ\_SYS\_Cooling\_Design\_2602  REQ\_SYS\_Cooling\_Design\_2601  REQ\_SYS\_Cooling\_Design\_2599  REQ\_SYS\_GRA\_NEW\_394  REQ\_SYS\_GRA\_NEW\_395  REQ\_SYS\_GRA\_NEW\_396 | NOK | [DCDCStatus — graph] |

Visualisations demandées :  
- BCM\_WakeupSleepCommand  
- PowerRelayState\_BLMS  
- SOC BMS vs SOC affiché (bande d’écart)  
- Tension HV · Courant HV · FaultType BMS

Interprétation :  
- Le réveil est bien détecté.  
- REQ\_SYS\_Temp\_310 non respectée.  
- DCDCStatus manquant côté MDF.

## J'ai donné un exemple pour le UC réveil pour chaque occurrence détectée afficher la même chose et par contre il faut afficher la durée et le TEMPS de débuts et de fins différents

donc je récapitule pour chaque UC détecter et il faut afficher toutes les exigences et les signaux présents dans le plan de validation

|  |  |
| --- | --- |
| UC détectés | — |
| Exigences respectées | — |
| Compatibilité MyFx (résumé) | — |
| Mini-bilan UC | UC 1.1 OK |