	28-27-26	25-	24-23-22-21	29 bit CAN-Identifier -20-19-18-17-16-15-14-13-1	2-11-10-9-8-	7-6-5-4-3-2-1-0		
				PGN(Page Number)				
		25	24	23-22-21-20-19-18-17-16	15-14-13-12-11-10-9-8			
				PDU1 Fo	ormat			
EEM-CAN23 PROTOCOL	Priority	R	DP	Specific ID	Destination Addr	Source Address	ID (bin)	ID (hex)
HVAC -> BCM = PGN273	001	0	0	0x01	0x11	0x22	0b000-001-0-0-00000001-00010001-00100010	0x04011122
HVAC -> BCM = PGN529	001	0	0	0x02	0x11	0x22	0b000-001-0-0-00000010-00010001-00100010	0x04021122
BCM -> HVAC = PGN290	010	0	0	0x01	0x22	0x11	06000-010-0-0-00000001-00100010-00010001	0x08012211
BCM -> SCB = PGN563	010	0	0	0x02	0x33	0x11	0b000-010-0-0-00000010-00110011-00010001	0x08023311
BMS -> SCB = PGN819	100	0	0	0x03	0x33	0x44	0b000-100-0-0-00000011-00110011-01000100	0x10033344
BMS -> SCB = PGN1075	100	0	0	0x04	0x33	0x44	06000-100-0-0-00000100-00110011-01000100	0x10043344
BMS -> SCB = PGN1331	100	0	0	0x05	0x33	0x44	06000-100-0-0-00000101-00110011-01000100	0x10053344
BMS -> SCB = PGN1587	100	0	0	0x06	0x33	0x44	0b000-100-0-0-00000110-00110011-01000100	0x10063344
MS1 -> BCM = PGN1809	001	0	0	0x07	0x11	0x55	0b000-001-0-0-00000111-00010001-01010101	0x04071155
MS1 -> BCM = PGN2065	001	0	0	0x08	0x11	0x55	0b000-001-0-0-00001000-00010001-01010101	0x04081155
MS2 -> BCM = PGN2321	001	0	0	0x09	0x11	0x66	06000-001-0-0-00001001-00010001-01100110	0x04091166
MS2 -> BCM = PGN4113	001	0	0	0x10	0x11	0x66	0b000-001-0-0-00010000-00010001-01100110	0x04101166
SO -> BCM	110	0	0	0x11	0x11	0x77	06000-110-0-0-00010001-00010001-01110111	0x18111177
TLM -> BCM	111	0	0	0x12	0x11	0x77	0b000-111-0-0-00010010-00010001-01110111	0x1C121177
/SB -> BCM	001	0	0	0x13	0x11	0x99	06000-001-0-0-00010011-00010001-10011001	0x04131199
BCM -> YSB	010	0	0	0x14	0x99	0×11	0b000-010-0-0-00010100-10011001-00010001	0x08149911
BCM -> SCB = PGN5427	010	0	0	0x15	0x33	0x11	06000-010-0-0-00010101-00110011-00010001	0x08153311
BMS -> BCM = PGN5649	???	0	0	0x16	0x11	0x44	0b000-???-0-0-00010110-00010001-01000100	0x????????
HVAC -> SCB = PGN5939	222	0	0	0x17	0x33	0x22	0b000,222,0,0,00010111,00110011,00100010	0x????????

PGN 0x0111 = 273	NAME	SPN	BIT	AÇIKLAMA === HVAC -> BCM === Periyot 100ms	Data Type
273-0-001	YAKS_LED1	1	1	YAKS Donanımına bağlı araç içerisindeki led-1 durumu	BOOL
273-0-002	YAKS_LED2	2	1	YAKS Donanımına bağlı araç içerisindeki led-2 durumu	BOOL
273-0-003	YAKS_LED3	3	1	YAKS Donanımına bağlı araç içerisindeki led-3 durumu	BOOL
273-0-004	YAKS_LED4	4	1	YAKS Donanımına bağlı araç içerisindeki led-4 durumu	BOOL
273-0-005	YAKS_LEDS	5	1	YAKS Donanımına bağlı araç içerisindeki led-5 durumu	BOOL
273-0-006	YAKS_LED6	6	1	YAKS Donanımına bağlı araç içerisindeki led-6 durumu	BOOL
273-0-007	YAKS_LED7	7	1	YAKS Donanımına bağlı araç içerisindeki led-7 durumu	BOOL
273-0-008	YAKS_LED8	8	1	YAKS Donanımına bağlı araç içerisindeki led-8 durumu	BOOL
273-0-009	YAKS_LED9	9	1	YAKS Donanımına bağlı araç içerisindeki led-9 durumu	BOOL
273-0-010	YAKS_LED10	10	1	YAKS Donanımına bağlı araç içerisindeki led-10 durumu	BOOL
273-0-011	YAKS_LED11	11	1	YAKS Donanımına bağlı araç içerisindeki led-11 durumu	BOOL
273-0-012	YAKS_LED12	12	1	YAKS Donanımına bağlı araç içerisindeki led-12 durumu	BOOL
273-0-013	YAKS_ATEŞVAL	13	4	Ateş Sensörünün analog 3bit degeri	U8
273-0-017	YAKS_BASINCVAL	14	7	Koltuk Basınç sensörü analog Sbit değeri	U8
273-0-024	YAKS_RTC_CALIB	15	1	YAKS tarafından RTC kalibrasyon yapılacağı bilgisi	BOOL
273-0-025	YAKS_RTC_SECOND	16	8	YAKS RTC Saniye bilgisi	U8
273-0-033	YAKS_RTC_MINUTES	17	8	YAKS RTC Dakika bilgisi	U8
273-0-041	YAKS_RTC_HOUR	18	8	YAKS RTC Saat bilgisi	U8
273-0-049	YAKS_RTC_DAY	19	8	YAKS RTC Gün bilgisi	U8
273-0-057	YAKS_RTC_MONTH	20	8	YAKS RTC Ay bilgisi	U8

PGN 0x0211 = 529	NAME	SPN	BIT	ACIKLAMA === HVAC → BCM === Perivot 100ms	Data Type
29-0-001	YAKS SICAKLIKVAL	1	8	Araç Kontrol Görev Birimi (AKS-YAKS-RPI) Sıcaklık analog 8bit değeri	US
29-0-009	YAKS NEMVAL	,	8	Araç Kontrol Görev Birimi (AKS-YAKS-RPI) Nem analog 8bit değeri	US
29-0-017	YAKS_DUMANVAL	3	4	Duman Sensörünün analog 4bit degeri	U8
29-0-021	YAKS_RUZGARBASINC1	4	4	Sol havalandırma rüzgar basınc sensörünün analog 4bit değeri	US
29-0-025	YAKS_RUZGARBASINC2	5	4	Sağ havalandırma rüzgar basınc sensörünün analog 4bit değeri	U8
29-0-029	YAKS_SOL_ÖNTEKER_XY	6	8	Sol ön tekerleğin X-Y eksen pozisyonları yazılımsal diferansiyel geri beslemesi için	US
29-0-037	YAKS SAĞ ÖNTEKER XY	7	8	Sağ ön tekerleğin X-Y eksen pozisyonları yazılımsal diferansiyel geri beslemesi için	U8
29-0-045	YAKS_STATUSBITO	8	1	YAKS'de denetlenen status biti 0 -> YAKS 'deki Sol ön teker açı sınırı durumunu tutar.	BOOL
29-0-046	YAKS_STATUSBIT1	9	1	YAKS'de denetlenen status biti 1 -> YAKS 'deki Sağ ön teker açı sınırı durumunu tutar.	BOOL
29.0.047	YAKS STATUSRITZ	10	- 1	YAKS'de denetlenen status biti 2 -> YAKS 'deki durumunu tutar.	BOOL
29-0-048	YAKS_STATUSBIT3	11	1	YAKS'de denetlenen status biti 3 -> YAKS 'deki durumunu tutar.	BOOL
29-0-049	YAKS_STATUSBIT4	12	1	YAKS'de denetlenen status biti 4 -> YAKS 'deki durumunu tutar.	BOOL
29-0-050	YAKS_STATUSBITS	13	1	YAKS'de denetlenen status biti 5 -> YAKS 'deki durumunu tutar.	BOOL
29-0-051	YAKS_STATUSBIT6	14	1	YAKS'de denetlenen status biti 6 -> YAKS 'deki H Vites hata durumunu durumunu tutar.	BOOL
29-0-052	YAKS STATUSBIT7	15	1	YAKS'de denetlenen status biti 7 -> YAKS 'deki İleri geri Vites hata durumunu tutar.	BOOL
29-0-053	YAKS_HVITES_CMD	16	3	H - Vites Durum bilgisi - 0,1,2,3,4,5,6	US
29-0-056	YAKS_VITES_CMD	17	2	Park - İleri- Geri Vites Durum Bilgisi	U8
29-0-058	YAKS_CMDBITS	18	1	YAKS'den AKS'ye gönderilen 5. komut -> komutu	BOOL
29-0-059	YAKS_CMDBIT6	19	1	YAKS'den AKS'ye gönderilen 6. komut -> komutu	BOOL
29-0-059	YAKS_CMDBIT7	20	1	YAKS'den AKS'ye gönderilen 7. komut -> komutu	BOOL
29-0-061	RFU	21	4	KULLANILMIYOR.	
GN 0x0122 = 290	NAME	SPN	BIT	AÇIKLAMA === BCM -> HVAC === Periyot 1000ms	Data Type
90-0-001	AKS_STATUS			.,,	
90-0-002	70,710,103				
90.0.003					_
90-0-003	+	—			_
90-0-005	+	—			_
90-0-005	1				
90-0-007	+	—			_
90-0-008					
90-0-008					
90-0-010					_
90-0-011					
90-0-012	-				_
90-0-012					
90-0-014					
90-0-015 90-0-016					
90-0-017					
90-0-019					
90-0-020	-				
PGN 0x0233 = 563	NAME	SPN	BIT	ACIKLAMA === BCM → SCB === Perivot 250ms	Data Type
63-0-001	SCB KAYIT BASLAT				
63-0-002		-			ROOL
		1	1	Kamera kaydını başlatacak biti tutar.	BOOL
	SCB KAYIT DURDUR	2	1	Kamera kaydını durduracak biti tutar.	BOOL
	SCB KAYIT DURDUR SCB KAYIT SİL	2	1 1	Kamera kaydını durduracak biti tutar. Kamera kaydını iptal edecek biti tutar.	BOOL BOOL
63-0-004	SCB KAYIT DURDUR SCB KAYIT SIL SCB_SDCARD_TEMIZLE	2 3 4	1 1	Kamera kaydını durduracak biti tutar. Kamera kaydını iptal edecek biti tutar. Kamera kaydını sol karttan silecek biti tutar.	BOOL BOOL
63-0-004 63-0-005	SCB KAYIT DURDUR SCB KAYIT SİL SCB SDCARD TEMIZLE SCB SDCARD KAYDET	2 3 4 5	1 1 1	Kamera kaydını durduracak biti tutar. Kamera kaydını iptal edecek biti tutar. Kamera kaydını sd karttan silecek biti tutar. Kamera kaydını sd karta kaydedecek biti tutar.	BOOL BOOL BOOL
63-0-004 63-0-005 63-0-006	SCB KAYIT DURDUR SCB KAYIT SIL SCB SDCARD TEMIZLE SCB SDCARD KAYDET SCB DASHBOARD DURUM	2 3 4 5 6	1 1 1 1	Kamera kaydını durduracak biti tutar. Kamera kaydını iştal edecek biti tutar. Kamera kaydını iştal edecek biti tutar. Kamera kaydını sid kartata silecek biti tutar. Kamera kaydını sid karta kaydedecek bit tutar. Billemedin 177777	BOOL BOOL BOOL BOOL
63-0-004 63-0-005 63-0-006 63-0-007	SCB KAYIT DURDUR SCB KAYIT SİL SCB SDCARD TEMIZLE SCB SDCARD KAYDET SCB DASHBOARD DURUM SCB DASHBOARD CMD1	2 3 4 5 6	1 1 1 1 1	Kamera kaydini dendradasak bili tutar. Kamera kaydini pidal dendradasak bili tutar. Kamera kaydini pidal dendradasak bili tutar. Kamera kaydini ola kartara illecek bili tutar. Kamera kaydini ola kartara illecek bili tutar. Bamera kaydini ola kartara illecek bili tutar. Biliemedimi????? AKS'669 SGN'y görderifed 3, komet 3 komutu	BOOL BOOL BOOL BOOL BOOL
63-0-004 63-0-005 63-0-006 63-0-007 63-0-008	SCB KAYIT DURDUR SCB KAYIT SİL SCB SDCARD TEMIZLE SCB SDCARD KAYDET SCB DASHBOARD DURUM SCB DASBOARD CMD1 SCB DASBOARD CMD1 SCB DASBOARD CMD2	2 3 4 5 6 7	1 1 1 1 1 1	Kamera kwędne derwarczek Brit todar. Kamera kwędne datewarczek Brit todar. Kamera kwędne od burtan silecek Brit todar. Kamera kwędne od burtan silecek Brit todar. Kamera kwędne od burtan silecek Brit todar. Kamera kwędne od burtan silecek Brit todar. AKSYGO SCRY w głosekofene J. komera	BOOL BOOL BOOL BOOL BOOL BOOL BOOL
63-0-004 63-0-005 63-0-006 63-0-007 63-0-008 63-0-009	SCB KAYIT DURDUR SCB KAYIT SIL SCB SDCARD TEMIZLE SCB SDCARD TEMIZLE SCB DASHBOARD DURUM SCB DASBOARD CMD1 SCB DASBOARD CMD2 SCB DASBOARD CMD2 SCB DASBOARD CMD3	2 3 4 5 6 7 8	1 1 1 1 1 1	Kannera kayden derdersach kill tetatr. Kannera kayden derdersach bill tetatr. Kannera kayden sel karta kaydende kill tetatr. Kannera kayden sal karta kaydende kill bill tatr. Kannera kayden sätt kaydende kill bill tatr. Billenenderin 127777 AAS des Sätty gelderderin 12, komut s.— komutus AAS des Sätty gelderderin 12, komut s.— komutus AAS des Sätty gelderderin 12, komut s.— komutus	BOOL BOOL BOOL BOOL BOOL BOOL BOOL
63-0-004 63-0-005 63-0-006 63-0-007 63-0-008 63-0-009 63-0-010	SCB KAYIT DURDUR SCB KAYIT SIL SCB SDCARD TEMIZLE SCB SDCARD KAYDET SCB DASHBOARD DURUM SCB DASBOARD CMD1 SCB DASBOARD CMD2 SCB DASBOARD CMD2 SCB DASBOARD CMD3 SCB DASBOARD CMD4 SCB DASBOARD CMD4	2 3 4 5 6 7 8 9	1 1 1 1 1 1 1	Kannera kayden derderszehak bilt tetar, Kannera kayden derderszehak bilt tetar, Kannera kayden ola burtan silende bilt tetar, Kannera kayden ola burtan silende bilt tetar, Kannera kayden der bat kaydede derde bilt tetar, Mariera kayden der bat kaydede derde bilt tetar, Mariera kayden derder bat kaydede derder bilt tetar, Mariera kayden derder bat kayden der bat kayden derder bat kayden d	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL
53-0-004 53-0-005 53-0-006 53-0-007 53-0-008 53-0-009 53-0-010 53-0-011	SCB KAYIT DURDUR SCB KAYIT SIL SCB SCARD TEMAZIE SCB SDCARD TEMAZIE SCB SDCARD KAYDET SCB DASHBOARD DURUM SCB DASSDARD CMD1 SCB DASBOARD CMD2 SCB DASBOARD CMD3 SCB DASBOARD CMD3 SCB DASBOARD CMD3 SCB DASBOARD CMD4 RFU	2 3 4 5 6 7 8 9	1 1 1 1 1 1 1 1	Kanner a kayden dendra soch kill tister. Kanner a kyrden sid seine kill tister. Kanner kyrden sid seine kill kill tister. Kanner kyrden sid seine kill kill tister. Kanner kyrden sid seine kill kill tister. Kanner kyrden sid seine kill kill tister. Kanner kyrden sid kill kill tister. AKT den Kill kyrden sid kill kill kill kill kill kill kill ki	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL
53-0-004 53-0-005 53-0-006 53-0-007 53-0-008 53-0-009 53-0-010 53-0-011 53-0-012	SCB KAYIT DURDUR SCB KAYIT SIL SCB SCARD TEMMILE SCB SDCARD TEMMILE SCB SDCARD TEMMILE SCB DASHBOARD DURUM SCB DASBOARD CMD2 SCB DASBOARD CMD2 SCB DASBOARD CMD2 SCB DASBOARD CMD4 SCB DASBOARD CMD4 SCB DASBOARD CMD4 SCB DASBOARD CMD4 SCB DASBOARD CMD4 SCB DASBOARD CMD4 SCB CMD4 SCB DASBOARD CMD4 SCB SCB DASBOARD CMD4 SCB SCB CMD4 SCB SCB DASBOARD CMD4 SCB SCB SCB DASBOARD CMD4 SCB SCB SCB DASBOARD CMD4 SCB SCB SCB SCB SCB SCB SCB SCB SCB SCB	2 3 4 5 6 7 8 9 10 11	1 1 1 1 1 1 1 1 1 1 1	Kanner kayden derderschaft bil tetar, Kanner kayden der derecke bil tetar, Kanner kayden sol karten diecke bil tetar, Kanner kayden sol karten diecke bil tetar, Kanner kayden sol karten kaydende bil bil tetar, Marie kayden solen karten kaydende bil tetar, Marie kayden solen karten kayden	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL
53-0-004 53-0-005 53-0-006 53-0-007 53-0-008 53-0-009 53-0-010 53-0-011 53-0-012 53-0-012	SCB KANT DURDUR SCB KANTE SCB KANTE SCB SCARD TEMIZE SCB SDCARD TEMIZE SCB SDCARD TEMIZE SCB DASBOARD CMD1 SCB DASBOARD CMD1 SCB DASBOARD CMD2 SCB DASBOARD CMD2 SCB DASBOARD CMD3 SCB DASBOARD CMD3 SCB DASBOARD CMD4 SCB DASBOARD CMD4 SCB DASBOARD CMD4 SCB DASBOARD CMD4 SCB DASBOARD CMD4 SCB NONTAK DURUM SCB KONTAK DURUM SCB KONTAK DURUM	2 3 4 5 6 7 8 9 10 11 12	1 1 1 1 1 1 1 1 1 1 1	Kanner kayden derdersach Mit Unter, Kanner kayden der dersach Mit Unter, Kanner kayden de Gerte Mit Unter, Kanner kayden de Gerte Mit Unter, Kanner kayden de Gerte Mit Unter Mit Unter, Mit Unter Mit Unter Mit Unter Mit Unter, Mit Unter Mit Unter Mit Unter Mit Unter, ANT des SCE Vig a globelen 1. A konnet 2 — konnete ANT des SCE Vig a globelen 1. A konnet 2 — konnete ANT des SCE Vig a globelen 1. A konnet 2 — konnete ANT des SCE Vig a globelen 1. A konnet 2 — konnete ANT des SCE Vig a globelen 1. A konnete 2 — konnete 2 — konnet	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL
53-0-004 53-0-005 53-0-006 53-0-007 53-0-008 53-0-009 53-0-011 53-0-011 53-0-013 53-0-013	SCB KANTT DURDUR SCB KANTT SIL SCB SOCARD TENIZLE SCB SOCARD TENIZLE SCB DASOCRAD CATDET SCB DASOCRAD CAND SCB DASOCRAD CAND SCB DASOCRAD CAND SCB DASOCRAD CAND SCB DASOCRAD CAND RFU SCB DASOCRAD CAND RFU SCB DASOCRAD CAND RFU SCB CONTAX DURUM RFU SCB SOCIATIVAL SCB SOCIATIVA	2 3 4 5 6 7 8 9 10 11 12 13	1 1 1 1 1 1 1 1 1 1 1 1 1	Ramera kayden dendranach kill tetatr. Ramera kayden dendranach kill tetatr. Ramera kayden jud eldende hill tetatr. Ramera kayden jud eldende hill tetatr. Ramera kayden jud kard in melende kill tetatr. Billende dendranach kayden jud kard in melende kill tetatr. Billende dendranach kayden jud kard in melende jud kayden jud kard in melende j	800L 800L 800L 800L 800L 800L 800L 800L 800L 800L 800L 800L 800L
53-0-004 53-0-005 53-0-006 53-0-007 53-0-008 53-0-010 53-0-010 53-0-011 53-0-012 53-0-013 53-0-013 53-0-014 53-0-014	SCB KANTT DUROUR SCB KANTT DUROUR SCB KANT SM. SCB SOCARD TEMIZE SCB SOCARD TEMIZE SCB DASBOARD CMD1 SCB DASBOARD CMD2 SCB DASBOARD CMD2 SCB DASBOARD CMD2 SCB DASBOARD CMD2 SCB DASBOARD CMD3 SCB DASBOARD CMD4 SCB DASBOARD CMD4 SCB SOCARD	2 3 4 5 6 7 8 9 10 11 12 13 14	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Earner a kayden derderunde half tit date, Earner a kayden in der derden de bit titute, Earner a kayden in de text der die dels titute, Earner a kayden in der text der die dels bit titute, Earner a kayden de bit arts begederden bit state, AN der der SCEV gelderden bit an bestelle bit state, AN der der SCEV gelderden bit an der der der der der der der der der der	800L 800L 800L 800L 800L 800L 800L 800L 800L 800L 800L 800L 800L 800L
53-0-004 53-0-005 53-0-006 53-0-007 53-0-008 53-0-010 53-0-010 53-0-011 53-0-012 53-0-013 53-0-015 53-0-015 53-0-015	SCB KAYTT DURDUR SCB SAVIT SI SCB SOCARD TEMPAL: SCB SOCARD TEMPAL: SCB SOCARD CAPIDET SCB DASHBOARD DURDUM SCB DASBBOARD CARDOT SCB DASBBOARD CARDOT SCB DASBBOARD CARDOT SCB DASBBOARD CARDOT RFU SCB SOCRAFAC GURDUM RFU SCB SOCRAFAC SCB SCB SASSINFAL SCB SAGSINFAL SCB	2 3 3 4 4 5 5 6 6 7 7 8 8 8 9 9 100 111 12 12 13 13 14 15 15 6 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Kenner kayden derderschaft bil tater, Kenner kayden der derbesch bil tater, Kanner kayden of korten kinder bil tater, Kanner kayden of kurten kinder bil tater, Kanner kayden of kurten kinder bil tater, Kanner kayden of kurten kinder bil tater, Kanner kayden of kurten kinder bil kur	BOOL
53-0-004 53-0-005 53-0-006 53-0-007 53-0-008 53-0-008 53-0-010 53-0-011 53-0-012 53-0-012 53-0-013 53-0-015 53-0-015 53-0-015 53-0-016	SCB KANT DURDUR SCB KANT SI SCB SCARD TIMAZE SCB SCCARD TIMAZE SCB SCCARD TIMAZE SCB SCCARD TIMAZE SCB SCCARD RAYDET SCB DASHDARD CHIDI SCB DASHDARD CHIDI SCB DASHDARD CHIDI SCB DASHDARD CHIDI SCB DASHDARD CHIDI SCB	2 2 3 3 4 4 5 5 6 6 6 6 7 7 8 8 9 9 10 111 12 12 13 13 14 15 15 16 6 17 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Kannera kayden dendersanda hiti tester, Kannera kayden isel dedecised hiti tester, Kannera kayden isel setterised hiti tester, Kannera kayden isel setterised hiti tester, Kannera kayden isel setterised hiti tester, ANS'den SCEV geldendere is. Neumot 3 — Neumets ANS'den SCEV geldendere is. Neumot 3 — Neumot	BOOL
53-0-004 53-0-005 53-0-005 53-0-007 53-0-008 53-0-009 53-0-010 53-0-011 53-0-012 53-0-013 53-0-015 53-0-015 53-0-015 53-0-015	SCE KAYT DURDUR SCE SKAYT SI, SCS SCCARD TEMPLE SCS SCCARD TEMPLE SCS SCCARD TEMPLE SCS SCCARD TEMPLE SCS SCCARD AVORT SCS DASSIGNARD CHARD SCS DASSIGNARD CHARD SCS DASSIGNARD CHARD SCS DASSIGNARD CHARD SCS SCS STAY SCS SCS SCS SCS SCS SCS SCS SCS SCS SCS	2 3 3 4 4 5 5 6 6 7 7 7 8 8 9 9 9 100 111 12 12 13 13 14 15 15 16 17 7 18 18 18 18 18 18 18 18 18 18 18 18 18	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Kanner kayden derdersach bill tater, Kanner kayden der dersach bill tater, Kanner kayden od bertan billed bill tater, Kanner kayden od bertan billed bill tater, Kanner kayden od bertan billed bill tater, Bernard billed bi	BOOL
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33-0 004 33-0 005 33-0 005 33-0 005 33-0 007 33-0 007 33-0 011 33-0 011 33-0 011 33-0 011 33-0 011 33-0 013 33-0 013 33-0 013 33-0 013 33-0 013 33-0 013 33-0 013 33-0 013 33-0 015 33-0 016 33-0 017 33-0 018 33-	SCE ANT CORRORS SEE ANT SEE SEE ANT SEE SEE SCHOOL STATE SEE SEE SEE SEE SEE SEE SEE SEE SEE SEE SEE SEE SEE SEE SEE SEE	2 3 4 5 5 6 7 7 8 8 9 9 10 10 11 11 12 13 13 15 16 6 17 17 17 18 8 19 20 21 22 22 23 24 24 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ramers kayden deutherach Mit Mater. Ramers hayden deutherach Mit Mater. Ramers hayden plat deuther his Hard. Ramers hayden plat deutherach his Hard. Ramers hayden plat his hard hard hard. Ramers hayden plat hard hard hard hard. Ramers hayden plat hard hard hard hard. ANT des CSTV gelderfield 1. hound 2	8001. 8001.
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\$10.00M \$10.00	SCE SAUTE GRADENS SCH SAUTE GRADEN SCH SAUTE GRADEN SCH SAUTE GRADEN SCH SAUTE GRADEN SCH SAUTE GRADEN SCH SAUTE GRADEN SCH SAUTE GRADEN SCH SAUTE GRADEN SCH SAUTE GRADEN SCH SAUTE GRADEN SCH SAUTE GRADEN SCH SAUTE S	2 3 3 4 4 5 5 5 6 6 7 7 7 8 8 9 9 9 10 10 11 12 12 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ramers kayden dendraneah hill tetatr. Ramers kayden dendraneah hill tetatr. Ramers kayden but ali dendra hill tetatr. Ramers kayden but ali dendraneah hill tetatr. Ramers kayden da keta tanda da keta tanda da keta tanda da keta tanda da keta tanda da keta tanda da keta tanda da keta tanda da keta tanda da keta tanda da keta tanda da ket	8001 8001 8001 8001 8001 8001 8001 8001
639 0693 163	SCE ANT CORROLL SEE ANT SEE SEE ANT SEE SEE SCHOOL THATCH SEE SCHOOL THATCH SEE SCHOOL THATCH SEE SCHOOL THATCH SEE SCHOOL THATCH SEE SCHOOL THATCH SEE SCHOOL THATCH SEE SCHOOL THATCH SEE SCHOOL THATCH SEE SCHOOL THATCH SEE SCHOOL SEE SEE SCHOOL SEE SCHOOL SEE SCHOOL SEE SCHOOL SEE SCHOOL SEE SCHOOL SEE SCHOOL SEE SCHOOL SEE SCHOOL SEE SCHOOL SEE SCHOOL SEE SCH	2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 100 111 12 12 134 14 15 15 16 16 17 7 19 19 19 12 12 12 12 12 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Kanner kayden derfaransah bil tatur. Kanner kayden derfaransah bil tatur. Kanner kayden of bortan bilanda bil tatur. Kanner kayden of bortan bilanda bil tatur. Banner kayden of bortan bilanda bi	8001. 8001.

PGN 0x1533= 5427	NAME	SPN	BIT	AÇIKLAMA === BCM -> SCB === Periyot 250ms	Data Type
542-7-	SCB_SOL_MOTOR_HIZ	1	12	Sol motorun devir sayısını tutar.	U16
542-7-	SCB SAG MOTOR HIZ	2	12	Sağ motorun devir sayısını tutar.	U16
542-7-	SCB DİREKSİYON AÇI	3	12	Direksiyonun açı bilgisini tutar.	U16
542-7-	SCB DİREKSİYON HIZ	4	12	Direksiyonun döndürme hızını tutar.	U16
542-7-	SCB DIREKSIYON TORK	5	8	Direksiyona uygulanan tork bilgisini tutar.	U8
542-7-	SCB DİREKSİYON 3EKSEN		8		U8

//BATARYA HUCRELERI					
PGN 0X0311 = 819	NAME	SPN	BIT	AÇIKLAMA === BMS -> SCB === Periyot 250ms	Data Type
819-0-001	VOLTAGE_C1	1	12	batarya hücresinin gerilim değerini tutar.	U16
819-0-002	VOLTAGE C2	2	12	batarya hücresinin gerilim değerini tutar.	U16
819-0-003	VOLTAGE C3	3	12	batarya hücresinin gerilim değerini tutar.	U16
819-0-004	VOLTAGE_C4	4	12	batarya hücresinin gerilim değerini tutar.	U16
819-0-005	VOLTAGE CS	5	12	 batarya hücresinin gerilim değerini tutar. 	U16
819-0-006	RELI	6	4	KILLANI MIYOR	118

PGN 0X0411 = 1075	NAME	SPN	BIT	AÇIKLAMA === BMS -> SCB === Perlyot 250ms	Data Type
107-5-001	VOLTAGE C6	1	12	batarya hücresinin gerilim değerini tutar.	U16
107-5-002	VOLTAGE_C7	2	12	7. batarya hücresinin gerilim değerini tutar.	U16
107-5-003	VOLTAGE C8	3	12	 batarya hücresinin gerilim değerini tutar. 	U16
107-5-004	VOLTAGE_C9	4	12	batarya hücresinin gerilim değerini tutar.	U16
107-5-005	VOLTAGE C10	5	12	 batarya hücresinin gerilim değerini tutar. 	U16
107-5-006	RFU	6	4	KULLANILMIYOR.	US SU
107-5-006	NFO NFO		-	KOLDANILWITOK.	100

PGN 0X0511 = 1331	NAME	SPN	BIT	AÇIKLAMA === BMS -> SCB === Periyot 250ms	Data Type
133-1-001	VOLTAGE C11	1	12	 batarya hücresinin gerilim değerini tutar. 	U16
133-1-002	VOLTAGE_C12	2	12	 batarya hücresinin gerilim değerini tutar. 	U16
133-1-003	VOLTAGE C13	3	12	 batarya hücresinin gerilim değerini tutar. 	U16
133-1-004	VOLTAGE_C14	4	12	14. batarya hücresinin gerilim değerini tutar.	U16
133-1-005	VOLTAGE C15	5	12	15. batarya hücresinin gerilim değerini tutar.	U16
133-1-006	RFU	6	4	KULLANILMIYOR.	U8

PGN 0X0611 = 1587	NAME	SPN	BIT	AÇIKLAMA === BMS -> SCB === Periyot 250ms	Data Type
158-7-001	VOLTAGE C16	1	12	 batarya hücresinin gerilim değerini tutar. 	U16
158-7-002	VOLTAGE_C17	2	12	17. batarya hücresinin gerilim değerini tutar.	U16
158-7-003	VOLTAGE C18	3	12	18. batarya hücresinin gerilim değerini tutar.	U16
158-7-004	CURRENT	4	12	Hücrelerden gelen akım değerini tutar.	U16
158-7-005	TEMP	5	12	Hücrelerin sıcaklık değerini tutar.	U16
158-7-006	RFU	6	4	KULLANILMIYOR.	us

PGN 0X0711 = 1809	NAME	SPN	BIT	AÇIKLAMA === MS1 -> BCM === Periyot 100ms	Data Type
180-9-001	RPM	1	12	Motorun devir bilgisini tutar.	U16
180-9-002	VOLTAGE	2	12	Motorun sürüldüğü gerilim bilgisini tutar.	U16
180-9-003	CURRENT	3	12	Motorun çektiği akım bilgisini tutar.	U16
180-9-004	TEMP	4	12	Motorun sıcaklık değerini tutar.	U16
180-9-005	RFU	5	1	KULLANILMIYOR.	U16
180-9-006	R ANGLE	6	6	Rotorun bulunduğu açı bilgisini tutar.	U8
180-9-007	DIRECTION	7	1	Motorun dönüş yönünün bilgisini tutar.	BOOL
180-9-008	ERR1	8	1	Hata1	BOOL
180-9-009	ERR2	9	1	Hata2	BOOL
180-9-010	ERR3	10	1	Hata3	BOOL
180-9-011	ERR4	11	1	Hata4	BOOL
180-9-012	WARN1	12	1	Uvent	BOOL

							Node Tag	Node Full Name	Node Address (1-Byte)
		8 BYTE DA	TA				AKS	Araç Kontrol Sistemi	0x11
1	2	3	4	5	6	7	YAKS	Yardımcı Araç Kontrol Sistemi	0x22
	F	rotocol Data	unit Unit				SCB	Araç Kontrol Bilgisayarı	0x33
							BMS	Batarya Yönetim Sistemi	0x44
							MS1	Motor Sürücü - 1	0x55
	Protokol	hakkında aç	ıklama notl	ları			MS2	Motor Sürücü - 2	0x66
- Her	mesaj 29 bit	extended fra	ame id kulla	anmaktadir.			ISO	Izolasyon Izleme Birimi	0x77
- Donan	ımlar arası vı	eriler PGN'le	r ile sınıflar	ndırılmaktadı	ır		TIM	Telemetri Birimi	0v88

İsim d	eğişikliği
Eski	Yeni
AKS	BCM
YAKS	HVAC

180-9-013	WARN2	13	1	Uyan2	BOOL
180-9-014	WARN3	14	1	Uyan3	BOOL
180-9-015	WARN4	15	1	Uvari4	BOOL

PGN 0X0811 = 2065	NAME	SPN	BIT	AÇIKLAMA === MS1 -> BCM === Periyot 100ms	Data Type
206-5-001		1			
206-5-002		2			
206-5-003		3			
206-5-004		4			
206-5-005		5			
206-5-006		6			
206-5-007		7			
206-5-008		8			
206.5.000		٥			

PGN 0X0911 = 2321	NAME	SPN	BIT	AÇIKLAMA === MS1 -> BCM === Periyot 100ms	Data Type
232-1-001	RPM	1	12	Motorun devir bilgisini tutar.	U16
232-1-002	VOLTAGE	2	12	Motorun sürüldüğü gerilim bilgisini tutar.	U16
232-1-003	CURRENT	3	12	Motorun çektiği akım bilgisini tutar.	U16
232-1-004	TEMP	4	12	Motorun sıcaklık değerini tutar.	U16
232-1-005	RFU	5	1	KULLANILMIYOR.	U16
232-1-006	R ANGLE	6	6	Rotorun bulunduğu açı bilgisini tutar.	8U
232-1-007	DIRECTION	7	1	Motorun dönüş yönünün bilgisini tutar.	BOOL
232-1-008	ERR1	8	1	Hata1	BOOL
232-1-009	ERR2	9	1	Hata2	BOOL
232-1-010	ERR3	10	1	Hata3	BOOL
232-1-011	ERR4	11	1	Hata4	BOOL
232-1-012	WARN1	12	1	Uyan1	BOOL
232-1-013	WARN2	13	1	Uyan2	BOOL
232-1-014	WARN3	14	1	Uyan3	BOOL
232-1-015	WARN4	15	1	Uvari4	BOOL

PGN 0X1011 = 4113	NAME	SPN	BIT	AÇIKLAMA === MS2 -> BCM === Periyot 100ms	Data Type
411-3-001		1			
411-3-002		2			
411-3-003		3			
411-3-004		4			
411-3-005		5			
411-3-006		6			
411-3-007		7			
411-3-008		8			
411-3-009		ø			

PGN 0X1533 = 5427	NAME	SPN	BIT	AÇIKLAMA === BCM -> SCB === Periyot ???ms	Data Type
542-7-001	THROTTLE	1	8	Gaz pedalının konum bilgisini tutar.	U8
542-7-002	BRAKE	2	8	Fren pedalının konum bilgisini tutar.	U8
542-7-003	SPEED	3	8	Aracın hız bilgisini tutar.	U8
542-7-004	L MOTOR TEMP	4	8	Sol motorun sıcaklık bilgisini tutar.	U8
542-7-005	R_MOTOR_TEMP	5	8	Sağ motorun sıcaklık bilgisini tutar.	U8
542-7-006		6			
542-7-007		7			
542-7-008		8			
542-7-009		9			

PGN 0X1611 = 5649	NAME	SPN	BIT	AÇIKLAMA === BMS -> BCM === Periyot ???ms	Data Type
564-9-001	TEMP	1	12	Bataryaların sıcaklık bilgisini tutar.	U16
564-9-002	CURRENT	2	12	Bataryalardan çıkan akım değerini tutar.	U16
564-9-003		3			
564-9-004		4			
564-9-005		5			
564-9-006		6			
564-9-007		7			
564-9-008		8			
564-9-009		9			

PGN 0X1733 = 5939	NAME	SPN	BIT	AÇIKLAMA === HVAC -> SCB === Periyot ???ms	Data Type
593-9-001	AX	1	8	Aracın x ekseninde maruz kaldığı ivme bilgisini tutar.	U8
593-9-002	AY	2	8	Aracın y ekseninde maruz kaldığı ivme bilgisini tutar.	U8
593-9-003	GX	3	8	Aracın x eksenine göre konumunun bilgisini tutar.	U8
593-9-004	GY	4	8	Aracın y eksenine göre konumunun bilgisini tutar.	U8
593-9-005	TEMP	5	12	DHT22 den gelen sıcaklık değerini tutar.	U16
593-9-006	HUMIDITY	6	7	DHT22 den gelen nem değerini tutar.	U8
593-9-007	LOAD	7	7	Load cell den gelen ağırlık değerini tutar.	U8
593-9-008	SMOKE	8	6	MO2 den gelen duman değerini tutar	II8