CSU
SECC
EVCC
timeout = 1000ms
ADDRESS REQUEST (080001FF)
A1 B2 C3 D4 01 (5 Bytes)
AM_IO_1 + 1 (1 Byte)
Random Number (4 Bytes)
ADDRESS ASSIGN (00000201)
A1 B2 C3 D4 01 (5 Bytes)
Slave ID Assigned by CSU
Random Number from SECC
interval = 1000ms
EV BOARD STATUS (00000301)
01 01 00 00 00 00 00 00 (8 Bytes)
SECC Alarm Code (6 Bytes)
CP State (1 Byte)
Plug-in State (1 Byte)
1(A), 2(B1), 3(B2), 4(C), 5(D), 6(E), 7(F), 8(Pilot error)
00 (unplug), 01 (plugin)
EV BOARD STATUS (00000301)
Get Firmware Version (00000401)
Get Firmware Version (08000401)
30 31 32 30 (4 Bytes)
Firmware Version (4 Bytes, ASCII)
Get Hardware Version (00000501)
Get Hardware Version (08000501)
30 31 32 30 30 31 32 30 (8 Bytes)
Hardware Version (8 Bytes, ASCII)
Charging Permission (00000601)
01 2C 01 58 02 4C 1D 00 (8 Bytes)
0: unlimited
EVSE Available Charging Time (1 Byte, 1min)
0x1D4C = 7500 = 750V
EVSE Maximum Voltage Limit (2 Bytes, 0.1V)
0x0258 = 600 = 60A
EVSE Maximum Current Limit (2 Bytes, 0.1A)
0x012C = 300 = 30KW
EVSE Maximum Power Limit (2 Bytes, 0.1KW)
00 (not allow), 01(allow)
Permission (1 Byte)
interval = 20ms
EVSE Present Output (00000700)
EC 0E 4C 04 4C 1D 58 02 (8 Bytes)
0x0258 = 600 = 60A
CHAdeMO EVSE Present Current (2 Bytes, 0.1A)
0x1D4C = 7500 = 750V
CAHdeMO EVSE Present Voltage (2 Bytes, 0.1V)
0x044C = 1100 = 110A
CCS EVSE Present Current (2 Bytes, 0.1A)
0x0EEC = 3820 =382V
CCS EVSE Present Voltage (2 Bytes, 0.1V)
Be delivered once
dada is updated
EVSE Present Output Capacity (00000800)
2C 01 58 02 58 02 B0 04 (8 Bytes)
0x04B0 = 1200 = 120A
CHAdeMO EVSE Maximum Current Limit (2 Bytes, 0.1A)
0x0258 = 600 = 60KW
CHAdeMO EVSE Maximum Power Limit (2 Bytes, 0.1KW)
0x0258 = 600 = 60A
CCS EVSE Maximum Current Limit (2 Bytes, 0.1A)
0x012C = 300 =30KW
CCS EVSE Maximum Power Limit (2 Bytes, 0.1KW)
Get EV Target (00000901)
Get EV Target (08000901)
01 32 4C 1D 58 02 AC 17 (8 Bytes)
Remaining Time to FullSoC (2 Bytes, 1sec)
EV Target Current (2 Bytes, 0.1A)
EV Target Voltage (2 Bytes, 0.1V)
SOC (1 Bytes, 1%)
CCS Board State (1 Bytes)
Get EV Battery Info (00000A01)
Get EV Battery Info (08000A01)
01 00 C8 4C 1D 58 02 (7 Bytes)
EV Maximum Current Limit (2 Bytes, 0.1A)
EV Maximum Voltage Limit (2 Bytes, 0.1V)
Battery Capacity (2 Bytes, 0.1KWH)
Charging Type: AC[00], DC[01] (1 Bytes)
Get EV Board Miscellaneous Info (00000D01)
Get EV Board Miscellaneous Info (08000D01)
01 1E 1E 5A (4 Bytes)
CP Voltage (1 Byte, 0.1V)
Connector Temperature 2 (1 Byte, 1°C, FF: invalid)
Connector Temperature 1 (1 Byte, 1°C, FF: invalid)
Connector Lock: 00 (unlock), 01 (locked) (1 Bytes)
EVSE Isolation Status (00001201)
01 (1 Bytes)
EVSE Isolation Status before Energy Transfer
00: ongoing
01: valid
02: warning/ fault
EVSE Isolation Status (08001201)
CCS Connector Info (00001301)
01 (1 Bytes)
CCS Connector Type
00: CCS1
01: CCS2
CCS Connector Info (08001301)
01 (1 Bytes)
Response
00: Reject
01: Accept
RTC (00001401)
EF 11 3F 4E (4 Bytes)
Epoch Time(Byte 0, 1, 2, 3)
RTC (08001401)
01 (1 Bytes)
Response
00: Reject
01: Accept
Precharge Status (00001501)
01 (4 Bytes)
Precharge Preparation
00: not ready
01: ready
Precharge Status (08001501)
01 (1 Bytes)
Response
00: Reject
01: Accept
interval = 20ms
(until receive the "Charging
Permission" message with Byte 0 =0)
EV Stop (00000B01)
01 00 00 00 00 00 00 (7 Bytes)
Alarm Code (6 Bytes)
Type (1 Byte): 01 (EV Normal Stop)
02 (EV Emergency Stop)
EVSE Stop (00000C01)
01 00 00 00 00 00 00 (7 Bytes)
Alarm Code (6 Bytes)
Type (1 Byte): 01 (EVSE Normal Stop)
02 (EVSE Emergency Stop)
CSU
SECC
EVCC