

INTERNATIONAL ELECTROTECHNICAL COMMISSION
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IEC 61851-24
Edition 1.0 2014-03

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**ELECTRIC VEHICLE CONDUCTIVE
CHARGING SYSTEM –**

**SYSTÈME DE CHARGE CONDUCTIVE POUR
VÉHICULES ÉLECTRIQUES –**

**Part 24: Digital communication between a d.c. EV
charging station and an electric vehicle for
control of d.c. charging**

**Partie 24: Communication digitale entre la borne
de charge à courant continu et le véhicule
électrique pour le contrôle de la charge
à courant continu**

CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

2 Normative references

Add the footnote "1 To be published."

3.2 parameter

This correction applies to the French text only.

5 Digital communication architecture

This correction applies to the French text only.

Table A.1 – Communication actions and parameters during d.c. charging control process between system A station and vehicle

This correction applies to the French text only.

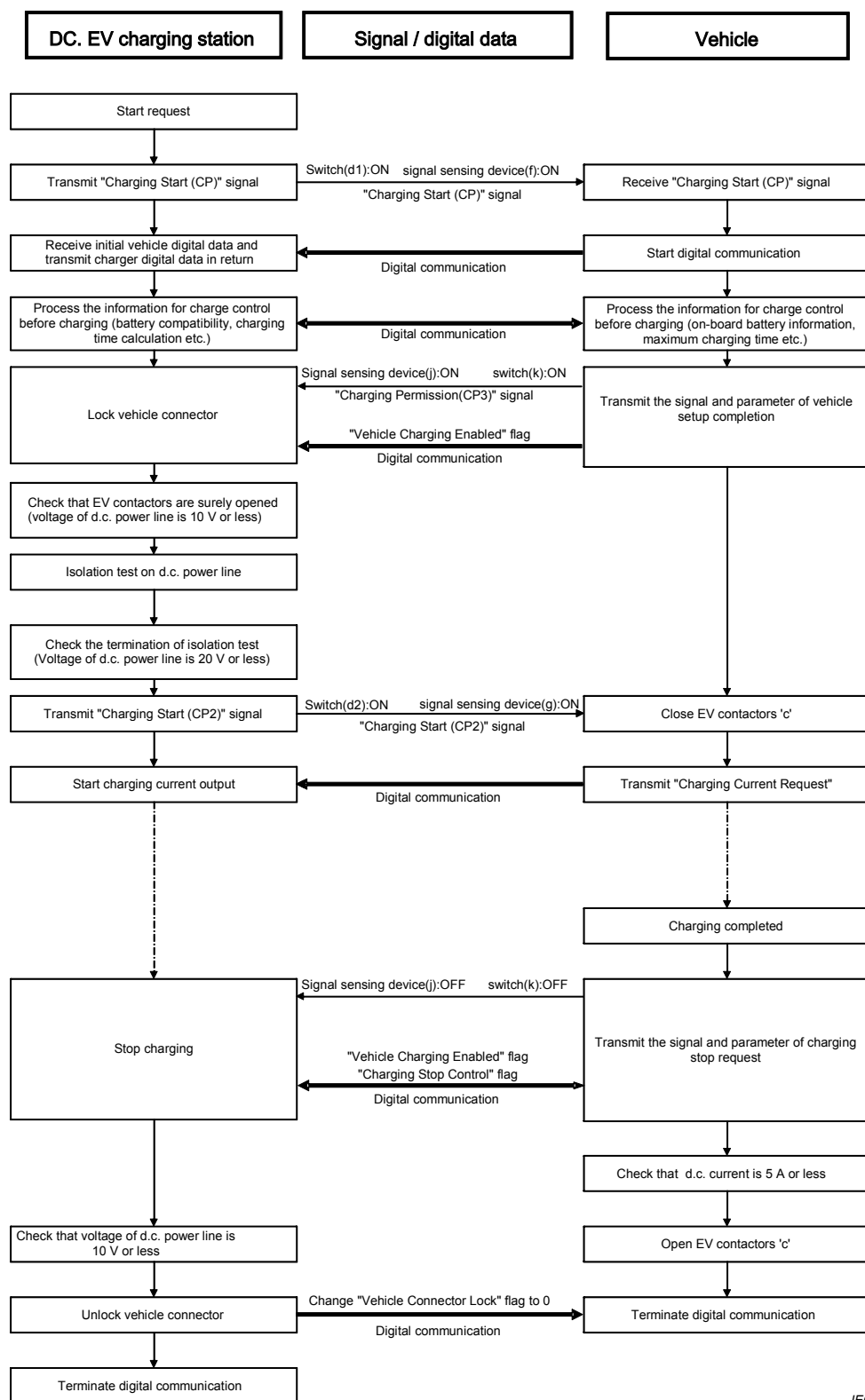
Figure A.1 – Sequence diagram of d.c. charging control communication for system A

Replace "less than 10 V" by "10 V or less".

Replace "less than 20 V" by "20 V or less".

Replace "less than 5 A" by "5 A or less".

As follows:



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For symbols, see Table AA.1 of IEC 61851-23:2014.

Figure A.1 – Sequence diagram of d.c. charging control communication for system A

Table A.2 – Exchanged parameter during d.c. charging control process between system A station and vehicle (1 of 4)

Replace the resolution (range) in the 2nd row "0,11 kWh/bit" by "0,1 kWh/bit".

Replace the resolution (range) in the 3rd row, "1 % bit, 100 % (fixed)" by "1 %/bit (100 %: fixed)".

Add the data update rate "100 ms" in the 5th row.

As follows:

**Table A.2 – Exchanged parameter during d.c. charging
control process between system A station and vehicle (1 of 4)**

Item in Table 1	Parameter	Content	CAN ID ID.byte(bit)	Source	Destination	Data update rate	Unit	Status flag	Resolution (range)
b-2	Maximum battery voltage	The maximum voltage value at the vehicle inlet terminals, at which the station stops charging to protect the vehicle battery	H'100.4, H'100.5	EV	System A station	100 ms	V	-	1 V/bit
	Rated capacity of battery	Rated capacity of battery	H'101.5, H'101.6	EV	System A station	100 ms	kWh	-	0,1 kWh/bit
	Constant of charging rate indication	Fixed value for charging rate indication, which is the maximum charging rate (100 %) of vehicle battery	H'100.6	EV	System A station	100 ms	%		1 %/bit (100 %: fixed)
	Maximum charging time (set by 10 s)	Maximum charging time permitted by EV, set by 10 s	H'101.1	EV	System A station	100 ms	s	-	10 s/bit (0 to 2 540 s)
	Maximum charging time (set by minute)	Maximum charging time permitted by EV, set by minute	H'101.2	EV	System A station	100 ms	min		1 min/bit (0 to 255 min)
	Estimated charging time	Estimated remaining time before the end of charging calculated by EV	H'101.3	EV	System A station	100 ms	min	-	1 min/bit (0 to 254 min)
b-1	Control protocol number	Software version of control protocol to which EV corresponds	H'102.0	EV	System A station	100 ms		-	1/bit (0 to 255)
	Target battery voltage	Targeted charging voltage at the vehicle inlet terminals	H'102.1, H'102.2	EV	System A station	100 ms	V	-	1 V/bit (0 to 600 V)
a-1	Charging-current- request	Current value requested by EV during charging	H'102.3	EV	System A station	100 ms	A	-	1 A/bit (0 to 255 A)

A.5.3 Transmission

Replace the reference to "Table A.1" by "Table A.2".

C.1 General

Replace the reference to "DIN 70121" by "DIN SPEC 70121".