ICS 43.120 SLOVENSKÁ TECHNICKÁ NORMA December 2015

| STN | **Systém nabíjania elektrických vozidiel vodivým prepojením. Časť 24: Digitálna komunikácia medzi nabíjacou stanicou EV na jednosmerný prúd a elektrickým vozidlom na riadenie nabíjania jednosmerným prúdom. Oprava AC** | **STN EN 61851-24/AC**<br><br>34 1590 |
|---|---|---|

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/15

Text opravy je iba v dokumente IEC.

Obsahuje: EN 61851-24:2014/AC Jun.:2015, IEC 61851-24:2014/COR1:2015

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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**IEC 61851-24**
**Edition 1.0 2014-03**

**ELECTRIC VEHICLE CONDUCTIVE CHARGING SYSTEM –**

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

**IEC 61851-24**
**Édition 1.0 2014-03**

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

**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.*

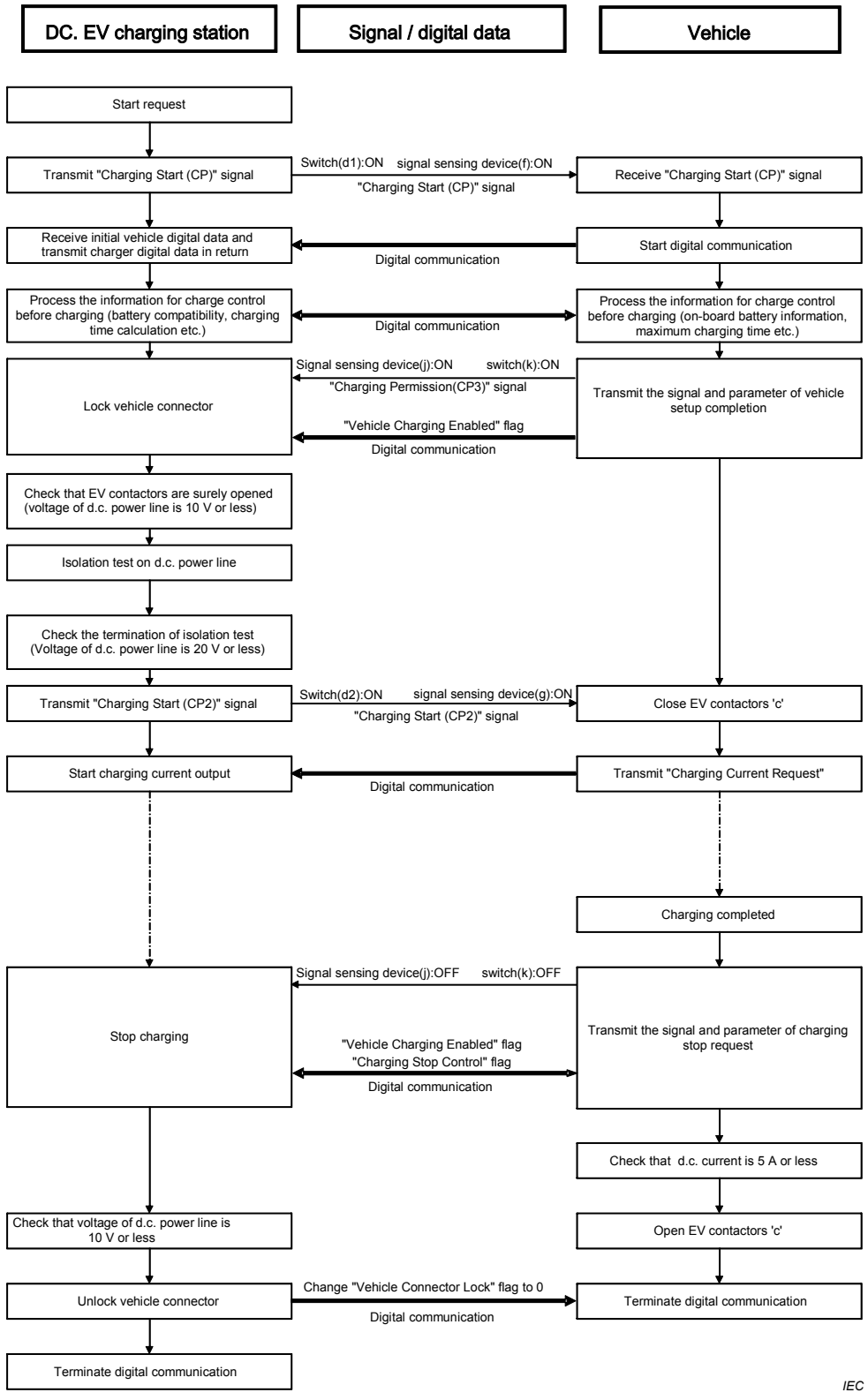
**Figure A.1 – Sequence diagram of d.c. charging control communication for system A**

*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:*




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*".*