Release note for Kit Com. official package named "KitCom.V01.17.28.zip"

- Charge point Firmware: V01.17.77
- Com. kit management Software: V01.17.27
- Com. kit web page Software: V01.17.09

This release note lists all the modifications made on this software since "KitCom-V01.17.00.zip"

Charge point Firmware: V01.17.77 :

- [MODBUS] Bug fix: Disable automatic attribution of modbus addresses (0 right and 1 left).

- [MODBUS] Bug fix: Reset the full charge register at the end of a charging session.

Com. kit management Software: V01.17.27:

- [LOGS] Fix a bug that disabled the erasing of the logs files older than 15 days. Re-enforced this mechanism.

- [LOGS] Reduce the level of log to level "INFO" and fix all the overwriting logs issues that could overload the SD card of communication kit (same log level as V01.15.00).

- [TimeZone] After update, the time zone of the communication kit will be defined by default to ETC/GM.

- [OCPP] Fix a bug: on a double side charging station, when a transaction is ongoing on one of the two sides, if a transaction is initiated on the other side but that the transaction is refused by the backend, the other side on which transaction where ongoing stop improperly the transaction (without sending StopTransaction.req) and continue the rise of the index of energy to the backend.

- [OCPP] Fix a bug: when using the OCPP feature "smartcharging" sometimes the charging station wrongly interpreted the time of the planning which resulted in a non-application of the planning during the right period. This was due to a deprecated library that has been changed.

- [OCPP] Fix a bug: When the charging station is connected to the backend it is impossible to change the availability of one connector in available when the two connectors of the same side are on unavailable Status.

- [OCPP] Fix a bug: change availability to operative doesn't work after a hard reset.

- [DATETIME] Adding [1]: Add the possibility to manually select the time zone on the web pages.

⚠️ **The time zone must be selected right after the update into the web pages of the communication kit in the window "information":**

Change time zone — Time zone — UTC

- [PLANNING] Bug fix: solve the display issue of the list of planning where the enabling/disabling of two differents plannings were linked.

- [OCPP] Bug fix: solve the issue that make the change availability of a connector to operative does not work after hard reset.

- [OCPP] Bug fix: The charging station will no longer start a transaction with an expired tag.

- [OCPP] Bug fix: solve the issue that make the energy index of phases 2 & 3 not rised in MeterValue.req during a charging session with external meter with three phases charging station.

- [OCPP] Bug fix: solve the issue that was limiting the charging current at 16A by phase in OCPP mode.

- [OCPP] test cases [2]: Conformity to OCA test case document improved for double side charging station.

- [Cybersecurity] Adding [3]: Add a procedure to update Apache service on kitcom OS that solve cybersecurity issues (The kitcom will restart once the update made with the package).

- [GENERAL] Adding [3]: Add and enable watchdog on kitcom OS to restart automaticaly the kitcom in case of OS freeze.

Com. kit web pages Software: V01.17.09:

- [LOGS] Add logs of web pages.

- [LANGUAGE] Fix issues with Hungarian language.

- [DATETIME] Adding [3]: Add the possibility to manually select the timezone on the web pages on the windows "Informations"

- [REMOTE MODE] Bug fix: Remove the possibility to change the charging mode during remote mode if the switches (eco mode & start mode) are enabled. They both need to be disabled to change the charging mode.

<u>**Note about time synchronization in OCPP mode:**</u>

As specified in OCPP 1.6J documentation, the communication kit will synchronize its internal time with the backend time on each BootNotification.conf received. After a time-shift from solar to legal hour or from legal to solar hour, if the operator wants the charging station to resynchronize with the time of the backend, he may ask a Reset.req to the charging station to trigger the BootNotification.req to the backend.

[1] 3 cases could be considered during time shift due to DST (Daylight Saving Time):

> - Charging station in **stand-alone mode** (with no communication kit): To update the time, the user must resynchronize the date time of his charging station by connecting with the application "EV Charge Light" of his smartphone to the charge point.

> - Charging station **with communication kit connected to the network**: To update the time, the charging station should automatically resync using the SNTP service.

> - Charging station **with communication kit not connected to the network**: To update the time, the user should select the right time zone in the web pages interface, the date time synchronisation will be done automatically

[2] compliance with 9 new test cases from OCA documentation on double side charging station: 2.16.7; 2.18.1; 2.21.1; 2.25.1; 2.25.2; 2.26.1; 2.4.2; 2.6.2; 2.8.1

[3] Both points will only be enabled on communication kit with an image flashed on SD card with version greater or equals to V01.15.00.