Dear customer,

The purpose of this communication is to inform you about the release of a new firmware version for ABB Terra AC Wallbox (PTB variant). This release improves the performance and reliability of the chargers and provides enhancements to the embedded firmware. This document provides an overview of main improvements and issues solved. The new firmware package will be made available in the ChargerSync portal, TerraConfig app and ChargerSync app. We thank you for your feedback and we continuously invite you to provide us with ideas and suggestions to improve our products.

This release has known issues as mentioned in the section Known Issues.

Please note that, after upgrading to FW v1.5.26, you will need to use the latest digital TerraConfig and ChargerSync applications v1.9.3, to be able to connect to the charger via Bluetooth.

Best regards,
On behalf of the ABB e-Mobility team,

J.L.R. Visser
Product Management Lead EMEA
Applicable products

This release is applicable to:
- Terra AC Wallbox PTB variant

Changes between firmware version 1.5.25 and 1.5.26

The table below describes the changes between the previous firmware version and the new release.

<table>
<thead>
<tr>
<th>Features</th>
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<tbody>
<tr>
<td>Bluetooth security update</td>
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<td>Increased security for the connection to the charger via Bluetooth communication channel</td>
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<table>
<thead>
<tr>
<th>Known issues</th>
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<tr>
<td>In some special corner cases, the charging session information is not saved in the internal memory of the charger</td>
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<tr>
<td>Missing of Transaction.End information in SampledValue</td>
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<td>Improvement of the forced release of cable functionality</td>
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<td>Rounding error in displayed charging energy in ChargerSync application</td>
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<td>Multiple stoptransactions with same transactionID</td>
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<td>In certain cases, the electric vehicle went into sleeping mode and was unable to start charging (after wait for randomized delay – UK smart charging legislation) or resume charging (after pause mode).</td>
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<td>Providing additional logs of firmware update process and network connection within GetDiagnostics command</td>
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<td>Provide additional error notifications to the digital solutions for problems in OCPP URL creation</td>
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<td>Improvement of the locking behavior of the cable in a socket-variant charger</td>
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<td>Improved the behaviors of chargers in a daisy-chained Modbus line in case there was one single charger Modbus error</td>
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<td>Further alignment of the implementation of the StartPeriods in a ChargingProfile to OCPP 1.6</td>
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<td>Adopted a stricter logic for the use of the TxProfile. Central systems shall include the transactionId for these profiles, alignment to OCPP 1.6</td>
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<td>In some use cases, the current limitation set by charger is lower than expected from the different load management input channels</td>
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<td>Improved the metervalue reset behavior to better accommodate special use cases</td>
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<td>In the case of Terra AC wallbox as secondary device, the (modbus) set charging current limit (4100h) is showing a different value compared to the charging current limit readout value (400Eh)</td>
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<td>The modbus set charging current limit (4100h) is expected to be a pair with the charging current limit readout value (400Eh), which is currently not the case</td>
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<tr>
<td>In the special corner case of a C board crash, there is the possibility of having a wrong meter value logged</td>
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</table>
In some special cases, the charging session did not start due to a change of charger state into SuspendedEVSE

Sending firmware upgrade command during charging will start firmware upgrade process directly after charging session is finished

Firmware upgrade/downgrade process could not be executed while charger was in charging mode

Charger was not able to reset if OCPP ResetRetries were less than 2

OCPP enhancement on the GetConfiguration command, thereby showing all non-customized keys in case a list of all configuration keys is requested

Incorrect charger side response after RemoteStartTransaction was sent

After performing a remote hardware/software reset during charging, stop transaction message could be lost

In a special use case, Iphone models are unable to connect with the charger via Bluetooth.

Start charging via Bluetooth could provide a wrong starttransaction time stamp