TEST PROGRAM: **QuickSort™**

Objective:

The purpose of this test is to sort battery state-of-health into three categories within the short period of 30 seconds. Those categories are good, fair and poor. Batteries with good result is in good condition and can be used. The fair result indicates replacement of new battery is recommended. The result of poor mean battery is failed test or faulty, it shall not be used.

Procedure:

QuickSort™ consists of several pulses and Cadex Ohm Test.

An approximation to the battery's condition is then made by Cadex.

Equipment:

Cadex C5100   Cadex C7x00

Result:

The machine display shows the battery condition as "Good", "Fair" and "Poor".

Limitation:

This test is limited to single cell Li-ion, 3.7V and 500mA to 1500mAh batteries.

On C5100, the Q-code can handle battery with capacity up to 5000mAh.

BATTERY ENGINEERING

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