OVERLAP during SPLIT RUN

- IMPROVE PRACTICAL EFFICIENCY -

Prepared by JAPAN

22\(^{nd}\) WLTP IWG

April 2018
CONCERNS

Time Consuming with Few Improvement

6 split run → 11 split run
(approx. 2.5 hours) → (4.5 hours + more)

(c) by ±10 N or ±5 percent, whichever is greater
4.3.1.3.4. Although it is recommended that each coastdown run shall be performed without interruption, split runs may be performed if data cannot be collected in a single run for all the reference speed points. For split runs, the following additional requirements shall apply:

(a) Care shall be taken to keep the vehicle condition as constant as possible at each split point;
(b) At least one speed point shall overlap with the higher speed range coastdown;
(c) At each of all overlapped speed point, the average force of the lower speed range coastdown shall not deviate from the average force of the higher speed range coastdown by ±10 N or ±5 percent, whichever is greater;
(d) If the track length does not allow fulfilling requirement (b) in this paragraph, one additional speed point shall be added to serve as overlapping speed point.

Instead of (b), (c) and (d), manufacture is able to omit the overlap run by providing the technical evidence for continuity of vehicle condition at each split point.

Further discussions regarding warm-up procedure between each split run and/or overlap criteria (±10 N or ±5 percent) are under way in JAPAN.