A PROPOSAL OF A NEW PACKET SCHEDULING ALGORITHM AND ITS EVALUATION
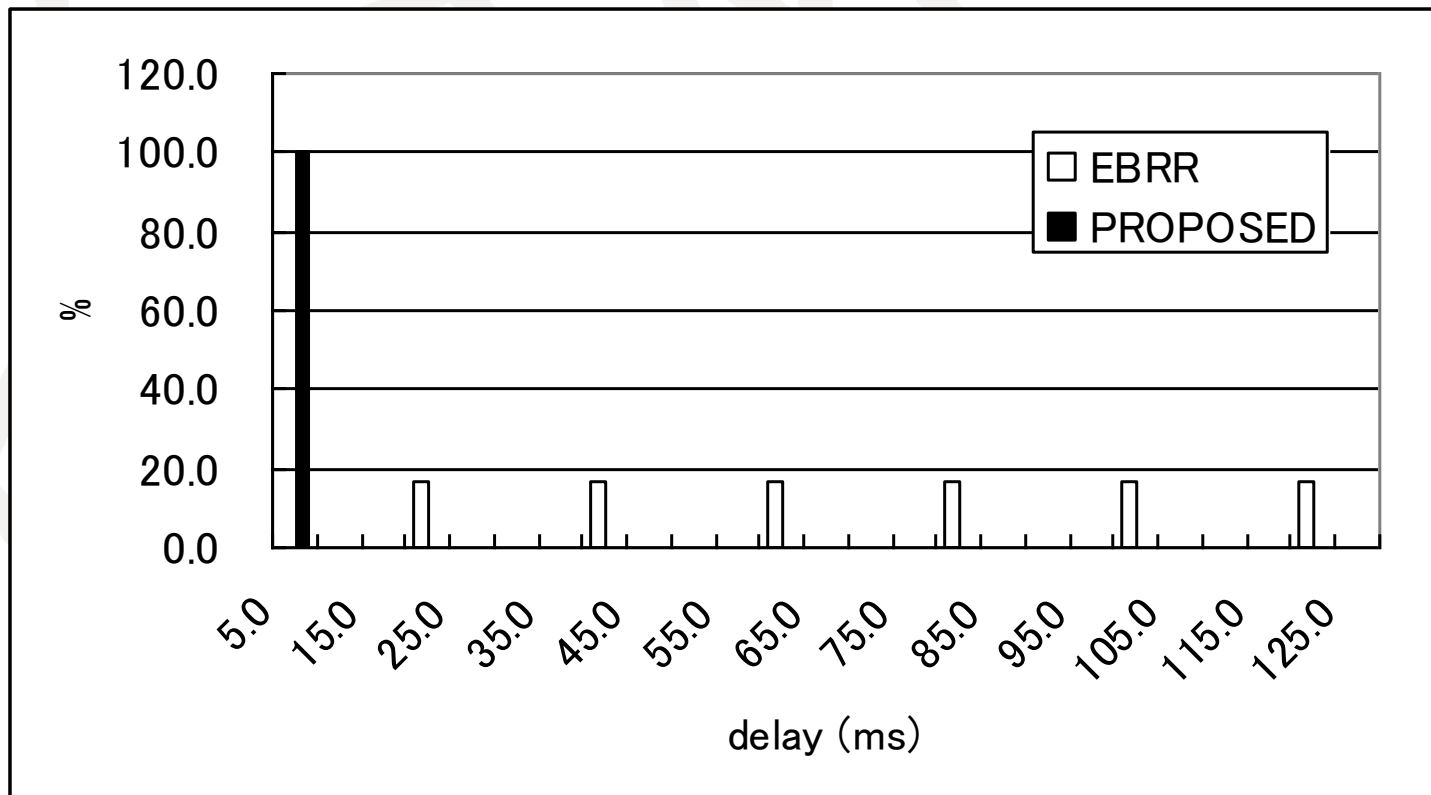
by Tetsushi Matsuda, Mitsubishi Electric

- New packet scheduling algorithm to satisfy QoS requirement for M2M communication
  - Minimum guaranteed rate service and low delay forwarding service for small sized packets.
  - The proposed algorithm can be used to reduce delay of sensor data in access network communications equipments such as edge router and PON OLT.

□ Three modifications to Eligibility Based Round Robin (EBRR) algorithm
□ Evaluation of the effectiveness by simulation

Delay distribution (5ms interval histogram)