
Procedure 2 GradedM \rightarrow DSWA \rightarrow GradedR

Input: tx-complete (packets transmitted event)

Output: rate-index (rate selection indexes of HT/GI/MCS)

- 1: // DSWA(pdr-last,pdr-now): return averaging window length W and sliding factor β , update γ and η
 - 2: // GradedM(pdr,rss): update the graded-table and sort it into MCS selection sequences, return ht-gi-mcs-index
 - 3: // GradedR(ht-gi-mcs-index): return ht-gi-mcs, ensure current PDR out of the transition window with the highest available data rate
 - 4: **if** pdr-now $< P_{thr_h}$ | rss-now $< \delta_+$ **then**
 - 5: graded-table \leftarrow GradedM(pdr-now,rss-now); // rc.c
 - 6: rate-index \leftarrow down-rate-mcs(ht-gi-mcs-table);
 - 7: **end if**
 - 8: **if** graded-sens - rss-now $>$ high-limit-to-gray **then**
 - 9: rate-index \leftarrow up-rate-mcs(ht-gi-mcs-table);
 - 10: **end if**
 - 11: **return** {tx-status,rate-index};
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