

Mueller Exhibit 18

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Subject: [AH04 & AH05] : Proposal of unified rate matching scheme
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Dear Ad Hoc 4 and 5 colleagues,

In Ad Hoc 5 meeting at Cheju, rate matching algorithms for Turbo coding have been discussed. According to conclusions, it is desirable to have a single universal rate matching algorithm that is optimal for Turbo codes and convolutional codes.

Samsung Electronics will propose an unified rate matching scheme which uses the current rate matching algorithm itself (proposed by Siemens) with parameter configuration. Also, the proposed algorithm requires neither increase of hardware complexity nor software complexity.

Samsung will provide simulation results of this new method at the next WG1 meeting.

Please find attached the draft version of our proposal.
 I'm sorry for our late submission.

Thanks.

Best Regards,
 Min Goo KIM
 Samsung Electronics Co.
 E-mail: [\[log in to unmask\]](#)

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