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ATM Forum Document Number: ATM Forum/95-0177

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Title: Tutorial paper on ATM congestion control

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Abstract:

Congestion control mechanisms for ATM networks as selected by the ATM Forum traffic management group are described. Reasons behind these selections are explained. In particular, selection criterion for selection between rate-based and credit-based approach and the key points of the debate between these two approaches are presented. The approach that was finally selected and several other schemes that were considered are described.

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Notice: This contribution has been prepared to assist the ATM Forum. It is offered to the Forum as a basis for discussion and is not a binding proposal on the part of any of the contributing organizations. The statements are subject to change in form and content after further study. Specifically, the contributors reserve the right to add to, amend or modify the statements contained herein.

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Attached (in a separate postscript email) is a copy of a paper entitled "Congestion Control and Traffic Management in ATM Networks: Recent Advances and A Survey." It is an invited paper submitted for possible publication in Computer Networks and ISDN Systems. Those who have not been following the TM group closely may find it useful. Please feel free to send me comments, if any. This contribution will not be presented or discussed at the Forum meeting.

Thanks.