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Title: Advice to link designers on link Automatic Repeat
reQuest (ARQ)
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This document provides advice to the designers of digital communication equipment and link-layer protocols employing link-layer Automatic Repeat reQuest (ARQ) techniques. This document presumes that the designers wish to support Internet protocols, but may be unfamiliar with the architecture of the Internet and with the implications of their design choices for the performance and efficiency of Internet traffic carried over their links.

ARQ is described in a general way that includes its use over a wide range of underlying physical media, including cellular wireless, wireless LANs, RF links, and other types of channel. This document also describes issues relevant to supporting IP traffic over physical-layer channels where performance varies, and where link ARQ is likely to be used.

This document is a product of the Performance Implications of Link Characteristics Working Group of the IETF.

This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements. Distribution of this memo is unlimited.

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