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(54) **INTERFACE CONVERSION APPARATUS, CONTROL CIRCUIT, STORAGE MEDIUM, AND NETWORK CONFIGURATION METHOD**

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(57) **ABSTRACT**

An interface conversion apparatus includes processing circuitry. The processing circuitry measures communication quality inside the mobile communication system. The processing circuitry refers to evaluation index information specifying, for each communication group, an allowable range of variation in the measurement result of the communication quality and a fluctuation adjustment time, and determines the communication group in which a variation in the measurement result of the communication quality obtained from history information including a measurement result falls within the allowable range for each piece of identification information included in the packet. The processing circuitry selects the communication group of the packet received from the identification information of the packet received, based on a correspondence relationship between the communication group determined and the identification information of the packet. The processing circuitry controls the packet received for each communication group, using the fluctuation adjustment time in the evaluation index information corresponding to the communication group determined.