# Use of word channel in clause 33 – rev01

**Info: not part of baseline text**

The definition of channel in 1.4.134 is far away from the meaning in clause 33. Here is the definition from IEEE Std 802.3-2015:

**1.4.134 channel:** In 10BROAD36, a band of frequencies dedicated to a certain service transmitted on the broadband medium. (See IEEE Std 802.3, Clause 11.)

A new definition is needed to make it unambiguous.

"Power channel" may be used to replace "channel" in clause 33, keeping some continuity with the legacy text.

***Insert 1.4.336a after 1.4.336 “power budget” as follows:***

**1.4.336a Power channel:** Within Clause 33 and its annexes, "power channel" or simply “channel” refers to the electrical path on which the power is transferred, i.e. the link section.

***Modify 33.1.3.2 as follows:***

33.1.3.2 Power channel requirements

Within Clause 33 and its annexes, “power channel” or simply “channel”, as defined in 1.4.336a, refers to the electrical path on which the power is transferred, i.e., the link section.

Power channels for all Types shall comply with the resistance unbalance requirements for twisted-pair cabling as specified in ISO/IEC 11801:2002 and ANSI/TIA-568-C.2. Refer to Annex 33A for more information including 4-pair operation channel requirements for pair-to-pair resistance unbalance.