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8802-1AX

Second edition  
2021-09

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**Telecommunications and exchange  
between information technology  
systems — Requirements for local and  
metropolitan area networks —**

**Part 1AX:  
Link aggregation**

*Télécommunications et échange entre systèmes informatiques —  
Exigences pour les réseaux locaux et métropolitains —*

*Partie 1AX: Agrégation de lien*

ISO/IEC/IEEE 8802-1AX:2021

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ISO/IEC/IEEE 8802-1AX was prepared by the LAN/MAN of the IEEE Computer Society (as IEEE Std 802.1AX-2020) and drafted in accordance with its editorial rules. It was adopted, under the “fast-track procedure” defined in the Partner Standards Development Organization cooperation agreement between ISO and IEEE, by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems*.

This second edition cancels and replaces the first edition (ISO/IEC/IEEE 8802-1AX:2016), which has been technically revised. It also incorporates the Technical Corrigendum ISO/IEC/IEEE 8802-1AX:2016/Cor 1:2018.

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**IEEE Std 802.1AX™-2020**  
(Revision of IEEE Std 802.1AX-2014)

# IEEE Standard for Local and Metropolitan Area Networks— Link Aggregation

Developed by the  
**LAN/MAN Standards Committee**  
of the  
**IEEE Computer Society**

Approved 30 January 2020

**IEEE SA Standards Board**

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**Abstract:** Link Aggregation allows parallel point-to-point links to be used as if they were a single link and also supports the use of multiple links as a resilient load-sharing interconnect between multiple nodes in two separately administered networks. This standard defines a MAC-independent Link Aggregation capability and provides general information relevant to specific MAC types.

**Keywords:** Aggregated Link, Aggregator, Distributed Resilient Network Interconnect, DRNI, interconnect, Link Aggregation, Link Aggregation Group, local area network, management, Network-Network Interface, NNI

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