Record Nr. UNINA9910137235303321 IEEE standard for local and metropolitan area networks . Amendment 26 **Titolo** Frame preemption: bridges and bridged networks Pubbl/distr/stampa New York:,: IEEE,, 2016 **ISBN** 1-5044-2257-0 Descrizione fisica 1 online resource (52 pages) 004.680973 Disciplina Soggetti Local area networks (Computer networks) - Standards Metropolitan area networks (Computer networks) - Standards Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto Enhancements to the forwarding process that support frame preemption are provided in this amendment to IEEE Std 802.1Q-2014. Scope: This amendment specifies procedures, managed objects, and protocol extensions that: - Define a class of service for time-critical frames that requests the transmitter in a bridged Local Area Network to suspend the transmission of a non-time-critical frame, and allow for one or more time-critical frames to be transmitted. When the timecritical frames have been transmitted, the transmission of the preempted frame is resumed. A non-time-critical frame could be preempted multiple times. - Provide for discovery, configuration, and control of preemption service for a bridge port and end station. -Ensure that preemption is only enabled on a given link if both link partners have that capability. Purpose: The purpose of this amendment is to provide reduced latency transmission for scheduled, time-critical

frames in a bridged LAN.