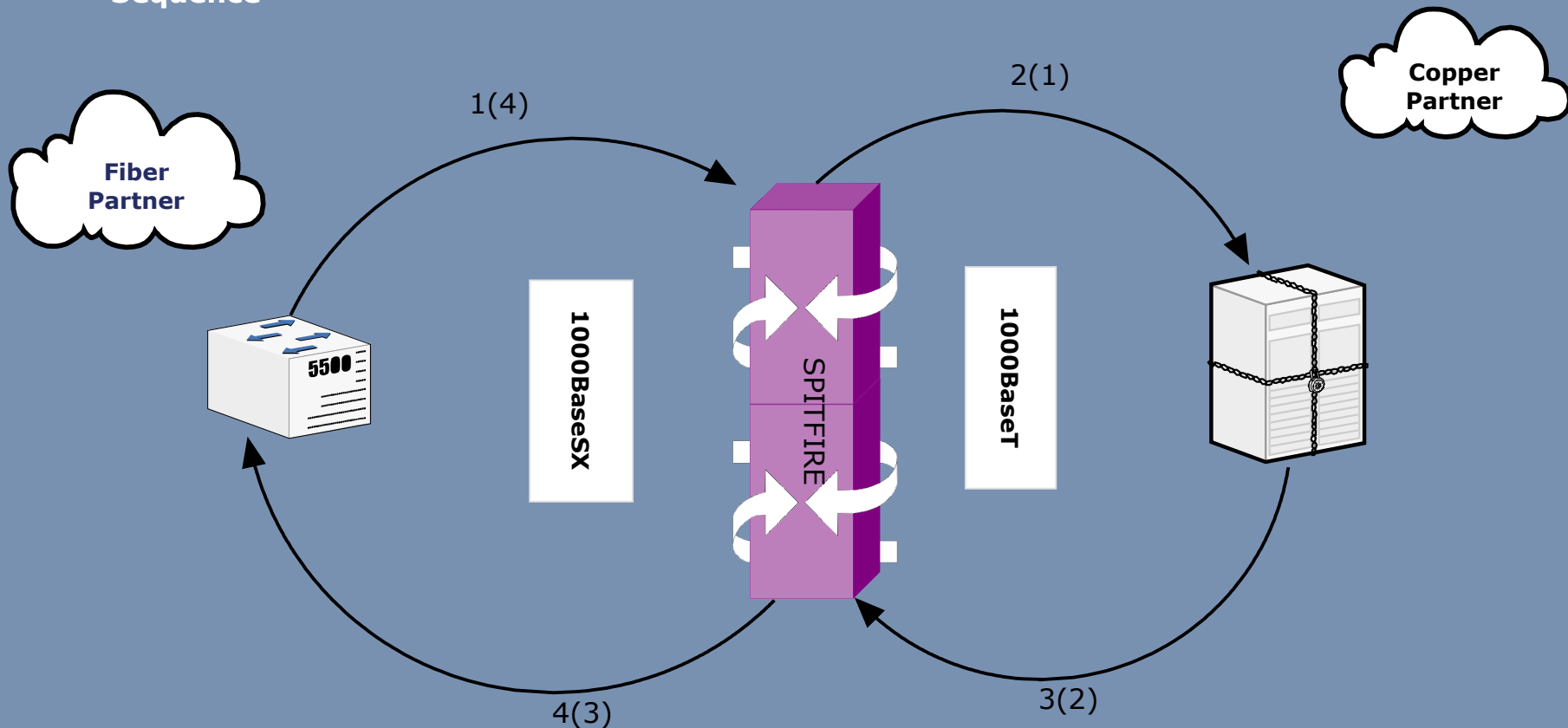


Default Negotiation Sequence



The IEEE 802.3:2005 Clause 37 state of the Fiber Partner and the Spitfire must be same (enabled or disabled) for data transfer in a normal fashion.

Since the clause 37 may not be known (enabled or disabled) of the Fiber Partner. The Spitfire performs the following sequence.

1. Spitfire detects Clause 37 Auto Capabilities of the Fiber Partner.
2. Spitfire negotiates the Fiber Partner capabilities to the Copper Partner using clause 28 auto negotiation.
3. Copper Partner confirms clause 28 sequence
4. Spitfire confirms clause 37 capabilities of link with the fiber partner. a valid link is now established.

(1) If an "Initiate Clause 37" is not received from the Fiber partner, Spitfire Initiates Clause 28 with the copper partner 1000mbps, full duplex (2) Copper Partner Confirms Clause 28 capability. (3) Spitfire does not advertise clause 37 and transfers data at full duplex, 1000mbps. (4) Fiber Partner confirms and a valid link is established

Note: This sequence is only performed at power up or RESET.