

ABSTRACT

The present application provides a method for constructing a synchronous network, a shelf label system, a computer device and a storage medium. The method includes: establishing an initial
5 network topological structure of base stations; performing topology depth traversal by taking each base station as a root node according to the initial network topological structure, to obtain a topology depth corresponding to each base station; adjusting the initial network topological structure according to a ranging result from each base station to its superior base station to obtain a target network topological structure; and allocating a transceiving time slot to each base station
10 according to the target network topological structure to obtain a transceiving time slot periodic table, and obtaining a synchronous network of the shelf label system. The present application solves the problem in the prior art that a plurality of base stations in an electronic shelf label system interfere with each other during signal transmission and reception, keeps time synchronization between the plurality of base stations by establishing a synchronous network, and prevents a signal
15 interference by a time-slotted data transmission and reception based on the synchronous network, thereby improving the stability and the data throughput of the electronic shelf label system.