

Abstract

The present invention is directed to a system arrangement which generates substitute data which can be used when transmitted data is negatively verified, that is, when it is recognised as erroneous. According to the invention, data is replicated at a particularly suitable location and transmitted redundantly and encoded accordingly. In the special combination of features, various security mechanisms are integrated and synergistically linked in such a way that particularly secure data transmission in the automobile is guaranteed. The present invention specifically addresses the security requirements and hardware conditions in the vehicle, which is not the case with packet-switched communication, for example. The coding makes it possible for the receiver to recognise that there may be an error with regard to data integrity or that data has been transmitted incorrectly or not at all. If this is recognised, the redundantly transmitted data can be used on the receiver side and the data transmission is not impaired overall. The present invention is also directed to an appropriately configured method which enables the system arrangement to be provided or operated. In addition, a computer program product is proposed with control commands that execute the method or provide or operate the system arrangement.