

Part One

Review and supplementary information

In an earlier book¹, I introduced the basic elements of “contactless” applications, setting out the fundamental principles of the operation of contactless devices, remote power supply, communication, collision management, security aspects of transmitted messages and matters relating to the current and other standards.

The three chapters forming the first part of this book contain a great deal of important theoretical technical information to supplement the content of the first book, which described the general principles of contactless technology. I preferred to include this information in this second book, since, in my view, although its content is related to general principles, it really comes into its own when we make a much closer examination of the definitions and solutions encountered in applications.

Although the study of any contactless application requires us to change our viewpoint constantly from the transponder to the base station and back again, I have decided to set out the technical details, the review of earlier information and particularly the supplementary information in two separate chapters, the first of which deals with transponders only, while the other is concerned with the problems of base stations.

¹ Previously published: *Identification radiofréquence et cartes à puce sans contact – Description*, by Dominique Paret, Dunod, 2001 – ISBN 2 10 005955 6.

