ISO 17532:2007-08 (E)

Stationary equipment for agriculture - Data communications network for livestock farming

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Abbreviated terms 4

5 General 6

6 Technical requirements and recommendations 6
6.1 Basic requirements 6
6.2 Connectors 6
6.3 Cables 7
6.4 Transport protocol 7

7 Network livestock farming communication 7
7.1 Farm use 7
7.2 Internet use 7
7.3 Multicast communication 8
7.4 TCP connections 8
7.5 Addressing devices 13
7.6 Configuration of network devices 13
7.7 Network management and monitoring 13
7.8 Communication steps 13
7.9 Communication levels 15
7.10 Communication functions 19
7.11 ADIS extensions 23
7.12 XML/ADED 28

8 Data dictionary (DD) 31
8.1 General 31
8.2 DD elements essential for network livestock farming 31
8.3 CODE SET and lists 32
8.4 Entities for describing communicated data contents 32

9 Electrical specifications 32

10 Mechanical specifications 32

Annex A (normative) Data elements 33

Bibliography 71