

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Industrial communication networks – Fieldbus specifications –
Part 5-23: Application layer service definition – Type 23 elements**

**Réseaux de communication industriels – Spécifications des bus de terrain –
Partie 5-23: Définition des services de la couche application – Eléments de
type 23**



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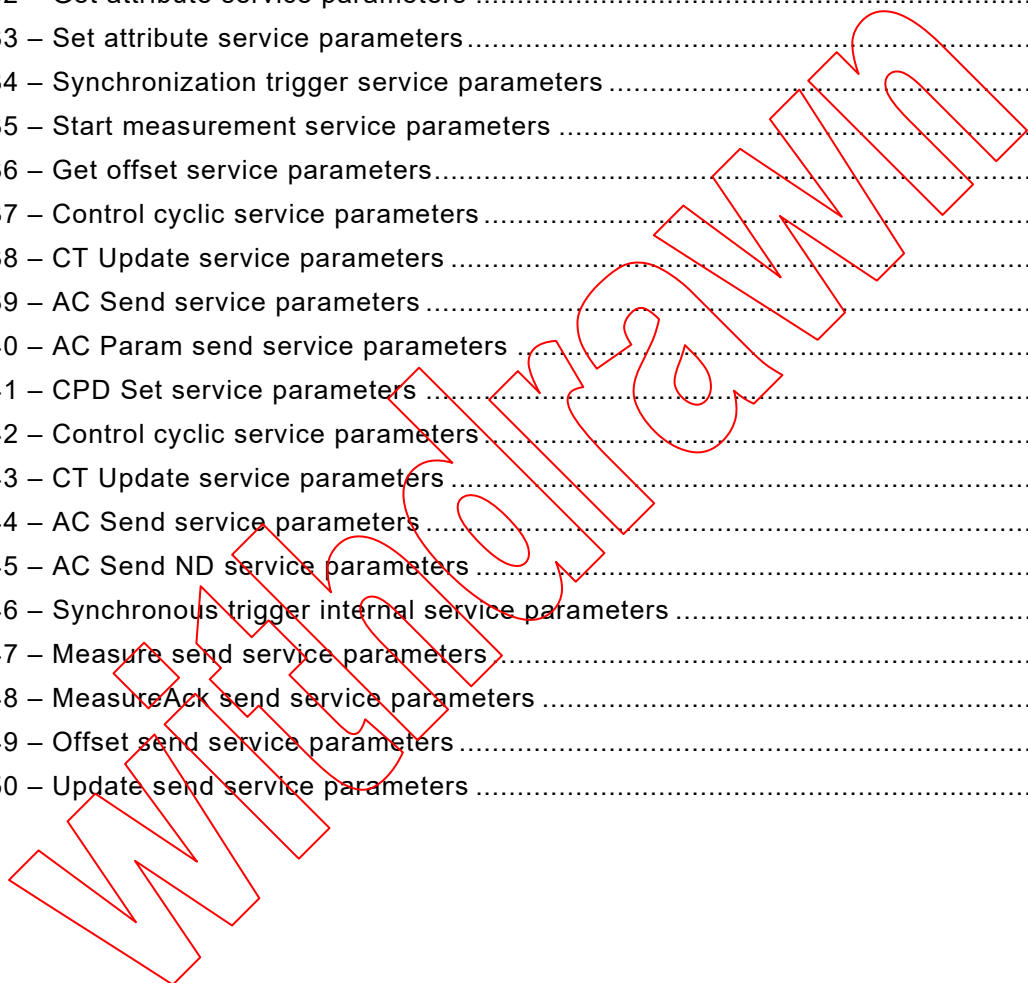
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CONTENTS

FOREWORD.....	5
INTRODUCTION.....	7
1 Scope.....	8
1.1 General.....	8
1.2 Specifications	9
1.3 Conformance	9
2 Normative references	9
3 Terms, definitions, symbols, abbreviated terms and conventions	10
3.1 Referenced terms and definitions.....	10
3.1.1 ISO/IEC 7498-1 terms.....	10
3.1.2 ISO/IEC 8822 terms.....	10
3.1.3 ISO/IEC 9545 terms.....	10
3.1.4 ISO/IEC 8824-1 terms.....	11
3.1.5 IEC 61158-1 terms.....	11
3.2 Additional Type 23 terms and definitions.....	11
3.3 Symbols and abbreviated terms	13
3.4 Conventions.....	14
3.4.1 General conventions.....	14
3.4.2 Conventions for class definitions.....	15
3.4.3 Conventions for service definitions.....	16
4 Concept.....	17
5 Data type ASE.....	17
5.1 Overview	17
5.2 Fixed length types.....	18
5.2.1 Bitstring types.....	18
5.2.2 Numeric types	19
6 Communication model specification.....	23
6.1 Communication model.....	23
6.1.1 General	23
6.1.2 Cyclic model n:n.....	23
6.1.3 Cyclic model 1:n.....	24
6.1.4 Transient model.....	24
6.2 ASE.....	25
6.2.1 Overview type C	25
6.2.2 Overview type F.....	25
6.2.3 Cyclic data ASE type C.....	25
6.2.4 Cyclic data ASE type F.....	32
6.2.5 Acyclic data ASE type C	37
6.2.6 Acyclic data ASE type F	43
6.2.7 Management ASE.....	56
6.2.8 Synchronization ASE	59
6.2.9 Measurement ASE.....	60
6.3 AR type C	61
6.3.1 Overview	61
6.3.2 Connection Control.....	62
6.3.3 Cyclic transmission type C.....	66

6.3.4	Acyclic transmission type C	68
6.3.5	Common parameter dist.....	70
6.4	AR type F	75
6.4.1	Overview	75
6.4.2	Channel control	75
6.4.3	Cyclic transmission type F	82
6.4.4	Acyclic transmission type F	84
6.4.5	Parameter dist.....	87
6.4.6	Synchronous trigger	90
6.4.7	Measurement transmission	91
	Bibliography.....	94
	Figure 1 – Cyclic model (n:n type distributed shared memory, unconfirmed push model)	24
	Figure 2 – Cyclic model (1:n type distributed shared memory, unconfirmed push model)	24
	Figure 3 – Transient model (Client server model).....	24
	Figure 4 – Transient model (Push model).....	25
	Figure 5 – Structure of ASE type C of FAL type 23	25
	Figure 6 – Structure of ASE type F of FAL Type 23.....	25
	Figure 7 – Structure of AR type C	62
	Figure 8 – Structure of AR type F.....	75
	Table 1 – Ld service parameters.....	27
	Table 2 – Set service parameters	27
	Table 3 – Reset service parameters.....	27
	Table 4 – Read service parameters.....	28
	Table 5 – Write service parameters.....	28
	Table 6 – Ld service parameters.....	29
	Table 7 – Set service parameters	30
	Table 8 – Reset service parameters.....	30
	Table 9 – Read service parameters.....	31
	Table 10 – Write service parameters.....	31
	Table 11 – Ld service parameters	33
	Table 12 – Set service parameters.....	34
	Table 13 – Reset service parameters.....	34
	Table 14 – Read service parameters.....	35
	Table 15 – Write service parameters.....	35
	Table 16 – Get memory access info service parameters	38
	Table 17 – Run service parameters.....	39
	Table 18 – Stop service parameters.....	40
	Table 19 – Read memory service parameters	41
	Table 20 – Write memory service parameters	42
	Table 21 – Get memory access info service parameters	44
	Table 22 – Run service parameters.....	45
	Table 23 – Stop service parameters.....	46

Table 24 – Read memory service parameters	47
Table 25 – Write memory service parameters	48
Table 26 – Vendor command service parameters	49
Table 27 – Distribute node info service parameters	50
Table 28 – Get statistics service parameters	51
Table 29 – Get node info detail service parameters	53
Table 30 – AC data service parameters	55
Table 31 – AC data ND service parameters	56
Table 32 – Get attribute service parameters	57
Table 33 – Set attribute service parameters	58
Table 34 – Synchronization trigger service parameters	59
Table 35 – Start measurement service parameters	60
Table 36 – Get offset service parameters	61
Table 37 – Control cyclic service parameters	66
Table 38 – CT Update service parameters	67
Table 39 – AC Send service parameters	68
Table 40 – AC Param send service parameters	70
Table 41 – CPD Set service parameters	74
Table 42 – Control cyclic service parameters	82
Table 43 – CT Update service parameters	83
Table 44 – AC Send service parameters	84
Table 45 – AC Send ND service parameters	86
Table 46 – Synchronous trigger internal service parameters	90
Table 47 – Measure send service parameters	91
Table 48 – MeasureAck send service parameters	92
Table 49 – Offset send service parameters	92
Table 50 – Update send service parameters	93



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FIELDBUS SPECIFICATIONS –****Part 5-23: Application layer service definition –
Type 23 elements**

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NOTE Combinations of protocol types are specified in IEC 61784-1 and IEC 61784-2.

International Standard IEC 61158-5-23 has been prepared by subcommittee 65C: Industrial networks, of IEC technical committee 65: Industrial-process measurement, control and automation.

This second edition cancels and replaces the first edition published in 2014. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- addition of an attribute for Master ID (see 3.2.10, 6.4.3, 6.4.4 and 6.4.5).

The text of this International Standard is based on the following documents:

FDIS	Report on voting
65C/947/FDIS	65C/950/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with ISO/IEC Directives, Part 2.

A list of all the parts of the IEC 61158 series, published under the general title *Industrial communication networks – Fieldbus specifications*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

Withdrawn

INTRODUCTION

This document is one of a series produced to facilitate the interconnection of automation system components. It is related to other standards in the set as defined by the “three-layer” fieldbus reference model described in IEC 61158-1.

The application service is provided by the application protocol making use of the services available from the data-link or other immediately lower layer. This document defines the application service characteristics that fieldbus applications and/or system management may exploit.

Throughout the set of fieldbus standards, the term “service” refers to the abstract capability provided by one layer of the OSI Basic Reference Model to the layer immediately above. Thus, the application layer service defined in this document is a conceptual architectural service, independent of administrative and implementation divisions.

Withdrawal