

IEC 61158-2  
(Third edition – 2003)

Digital data communications for measurement and control – Fieldbus for use in industrial control systems –  
Part 2: Physical layer specification and service definition

IEC 61158-4  
(Third edition – 2003)

Digital data communications for measurement and control – Fieldbus for use in industrial control systems –  
Part 4: Data link protocol specification

IEC 61158-5  
(Third edition – 2003)

Digital data communications for measurement and control – Fieldbus for use in industrial control systems –  
Part 5: Application layer service definition

IEC 61158-6  
(Third edition – 2003)

Digital data communications for measurement and control – Fieldbus for use in industrial control systems –  
Part 6: Application layer protocol specification

IEC 61784-1  
(First edition – 2003)

Digital data communications for measurement and control –  
Part 1: Profile sets for continuous and discrete manufacturing  
relative to fieldbus use in industrial control systems

## CORRIGENDUM 1

IEC 61158-2:

Page 137

Replace, in 11.3.3 (Rule 8 c), "Error!  $\leq MD_{max}$ " by " $|(Z - Z_{fr})/(Z + Z_{fr})| \leq MD_{max}$ ".

Page 152

Replace, in 12.3.3 (Rule 8 c), "Error!  $\leq 0,2$ " by " $|(Z - Z_{fr})/(Z + Z_{fr})| \leq 0,2$ ".

Page 170

Replace, in 13.3.3 (Rule 8 c), "Error!  $\leq 0,2$ " by " $|(Z - Z_0)/(Z + Z_0)| \leq 0,2$ ".

Page 181

Replace, in 14.3.3 (Rule 8 c), "**Error!**  $\leq 0,2$ " by " $|(Z - Z_0)/(Z + Z_0)| \leq 0,2$ ".

Page 229

Replace, in 21.3.3 (Rule 8 c), "**Error!**  $\leq 0,2$ " by " $|(Z - Z_0)/(Z + Z_0)| \leq 0,2$ ".

Page 234

Replace, in 21.8.8, "See 0" by "See 12.8.8".

## IEC 61158-4:

Page 86

Replace, in 5.1.1, in equation 5, "**Error!**" by " $\frac{X^{n-k} + 1}{X + 1}$ ".

Page 110

Replace, in 6.4.1.1, in paragraph "framing-overhead", "...where period = **Error!**" by "... where period =  $\frac{1}{\text{data rate}}$ ".

Page 251

Replace, in 10.2.1.2 b), "...then the duration of this timer should be **Error!**; otherwise the duration should be **Error!**." by "...then the duration of this timer should be  $\frac{V_C(\text{NP}).\text{MCD\_CRS}}{V(\text{NRC})+1}$ ; otherwise the duration should be  $\frac{60 \text{ s}}{V(\text{NRC})+1}$ ."

Page 279

Replace, in 10.2.2.9 b), "...then the duration of this timer should be; otherwise the duration should be **Error!**." by "...then the duration of this timer should be  $\frac{V_C(\text{NP}).\text{MCD\_CRS}}{V(\text{NRC})+1}$ ; otherwise the duration should be  $\frac{60 \text{ s}}{V(\text{NRC})+1}$ ."

Page 280

Replace, in 10.2.2.11, second paragraph, "...between 25 % and 50 % of **Error!**; otherwise the duration should be between 25 % and 50 % of **Error!**." by "...between 25 % and 50 % of  $\frac{V_C(\text{NP}).\text{MCD\_D}}{V(\text{NRC})+2}$ ; otherwise the duration should be between 25 % and 50 % of  $\frac{60 \text{ s}}{V(\text{NRC})+2}$ ."

Page 281

Replace, in 10.2.2.11.1, second indent, "...between 25 % and 50 % of **Error!**; otherwise the duration should be between 25 % and 50 % of **Error!**." by "...between 25 % and 50 % of  $\frac{V_C(NP).MCD\_D}{V(NRC)+2}$ ; otherwise the duration should be between 25 % and 50 % of  $\frac{60\text{ s}}{V(NRC)+2}$ ."

Replace, in 10.2.2.12, second paragraph, "...between 25 % and 50 % of **Error!**; otherwise the duration should be between 25 % and 50 % of **Error!**." by "...between 25 % and 50 % of  $\frac{V_C(NP).MCD\_D}{V(NRC)+2}$ ; otherwise the duration should be between 25 % and 50 % of  $\frac{60\text{ s}}{V(NRC)+2}$ ."

Page 282

Replace, in 10.2.2.13, second paragraph, "...between 70 % and 95 % of **Error!**; otherwise the duration should be between 70 % and 95 % of **Error!**." by "... between 70 % and 95 % of  $\frac{V_C(NP).MCD\_CRS}{V(NRC)+2}$ ; otherwise the duration should be between 70 % and 95 % of  $\frac{60\text{ s}}{V(NRC)+2}$ ."

Page 286

Replace, in 10.2.2.19 c), "...this timer should be **Error!**; otherwise the duration should be **Error!**." by "...this timer should be  $\frac{V_C(NP).MCD\_CRS}{V(NRC)+1}$ ; otherwise the duration should be  $\frac{60\text{ s}}{V(NRC)+1}$ ."

Page 287

Replace, in 10.2.3.1 b), "...this timer should be **Error!**; otherwise, the duration should be **Error!**." by "...this timer should be  $\frac{V_C(NP).MCD\_CRS}{V(NRC)+1}$ , otherwise, the duration should be  $\frac{60\text{ s}}{V(NRC)+1}$ ."

Page 299

Replace, in 10.3.4.1 b), "...this timer should be **Error!**; otherwise the duration should be **Error!**." by "...this timer should be  $\frac{P_U(MCD)}{V(NRC)+1}$ ; otherwise the duration should be  $\frac{60\text{ s}}{V(NRC)+1}$ ."

Page 301

Replace, in 10.4.1.3 a), in equation (20), "+ **Error!**" by "+  $\frac{V(MD)}{2}$  )."

Page 400

Replace, in 12.6.3 a), fifth paragraph, "...at most **Error!** ms for Basic and Link Master DLEs, and **Error!** ms for...." by "...at most  $\frac{1}{4}$  ms for Basic and Link Master DLEs, and  $\frac{1}{16}$  ms for...".

Page 442

Replace, in 15.2, in the note following the sixth paragraph, "The calculation of slot time is specified in 0." by "The calculation of slot time is specified in 18.2."

Page 462

*Replace, in 16.4.3, note 1, "Subclause 0" by "Subclause 18.2".*

*Replace, in 16.4.3, note 2, "Subclause 0" by "Subclause 18.2".*

*Replace, in 16.4.3, note 3, "Subclause 0" by "Subclause 18.2".*

Page 590

*Replace, in 20.5.2, equation (25), "tBIT = Error!" by "tBIT =  $\frac{1}{\text{data rate}}$ ".*

Page 601

*Replace, in 20.5.4.20, second line:*

- "(see 22.8)" by "(22.7)" and
- "(see XXX)" by "(see 22.8)".

#### **IEC 61158-5:**

Page 273

*Replace, in 7.1.2, first line and seventh dash, "Clause 0" by "Clause 4".*

Page 740

*Replace, in 9.1.1, last line, "Clause 0" by "Clause 4".*

Page 1053

*Replace, in 13.1.1, first paragraph, "Clause 0" by "Clause 4".*

Page 1058

*Replace, in 13.2.3.3.1, first line, "0" by "6.2.2.2.2".*

#### **IEC 61158-6:**

Page 1113

*Note that in 11.2.3.2.2 Figure 213 is not used.*

Page 1154

*Replace, in 12.1.2.13, first paragraph, "Figure 228 through 238" by "Figure 229 through 239".*