

INTERNATIONAL ELECTROTECHNICAL COMMISSION

IEC 61869-100
Edition 1.0 2017-01

INSTRUMENT TRANSFORMERS –

Part 100: Guidance for application of current transformers in power system protection

CORRIGENDUM 1

6.1.3.3 Range 1: $0 \leq t'_{al} \leq t_{tf,max}$

Replace the following first and second formulae and the key:

"At this point in time, the following condition is fulfilled:

$$\sin(\omega t_{tf,max} + \gamma -) = -1$$

This equation is equivalent to

$$t_{tf,max} = \frac{3\pi/2 - \gamma +}{\omega} \quad (19)$$

where

$$= \arctan(\omega T_p) . "$$

with the following:

"At this point in time, the following condition is fulfilled:

$$\sin(\omega t_{tf,max} + \gamma - \varphi) = -1$$

This equation is equivalent to

$$t_{\text{tf,max}} = \frac{3\pi/2 - \gamma + \varphi}{\omega} \quad (19)$$

where

$$\varphi = \arctan(\omega T_p)."$$