Use Case for IEC/IEEE 60802

Cycle timing models in industrial applications

Authored By: Thomas Enzinger, B&R Industrial Automation

Presented by: Steve Zuponcic & Mark Hantel, Rockwell Automation

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Cycle timing models

Overview

Model 1: currently depicted as use case 2 in IEC 60802

Model 2: commonly used model, also called ‘2 cycle timing model’ in other specifications.

Model 3: very similar to Model 2, but shifted by 180°
Overview

Model 4: commonly used model in existing technologies, also called ‘3 cycle timing model’

Model 5: commonly used model, also called ‘1 cycle timing model’ in other specifications.

Model 6: very similar to Model 5, but shifted by approximately 120°
Overview

More models:
- Optimizations of listed models
- Combinations of listed models
- Additional models

In existing technologies some of the models are used in optimized ways to reduce the network cycle time and/or the IO-reaction time (sometimes also called ‘makespan’ or ‘roundtrip delay time’).