



Handläggare, tfn
Mattias Lafvas, +46 (0)8 555 521 13
E-post
mattias.lafvas@sis.se

Industriell automation (SIS/TK 279), kompetensområden

Varje kompetensområde nedan har under sig befintliga standarder och förslag. Titlarna på dessa är förkortade. Parenteser avser ärenden som bevakas men där det formella ansvaret ligger hos annan TK.

Beredning och programmering NC-maskiner

ISO 841 NC Coordinate system and motion nomenclature
ISO 2806 NC Vocabulary
ISO 2972 NC Symbols
ISO 3592 NC processor output - File structure and language
ISO 4342 NC processor input -- Basic part program reference language
ISO 4343 NC processor output -- Post processor commands
ISO/TR 6132 NC Operational command and data format
ISO 6983 NC Program format and definition of address words
ISO 14649 STEP-NC, Data model for computerized numerical controllers
(ISO 10303-238 Application interpreted model for computerized numerical controllers)
(ISO 10303-240 Process plans for machined products)

Cell- och linestyrning

ISO/TR 12186 MAPLE, Manufacturing automation programming language environment
ISO 13281 MAPLE, Manufacturing automation programming language environment

Dataskommunikation

ISO 9506 MMS - Part 1: Service, Part 2: Protocol
ISO/TR 13283 Time-critical communications architectures
ISO 15745 OSAF, Open systems application integration frameworks
(ISO 18629 PSL, Process specification language)

Drift och underhåll

ISO 18435, Diagnostic and Maintenance Applications
(ISO 13374 MIMOSA, Condition monitoring/diagnostics of machines, data communication)

Företagsmodellering

ISO 14258 Concepts and rules for enterprise models
ISO 15704 Enterprise reference architecture and methodologies
ISO 19439 CIM systems architecture, framework for enterprise modelling
ISO 19440 CIM systems architecture, constructs for enterprise modelling
GEN/TS 14818 Enterprise integration - Decisional reference model

Installation av maskiner

ISO 23570 DESINA, Distributed installation in industrial applications

Produktionsstyrning

ISO 16100 Manufacturing software capability profiling
IEC/ISO 62264 Enterprise control system integration
(ISO 15531 MANDATE, Industrial manufacturing management data)

Styrning av mät- och provningsutrustning

ISO 20242 ASAM, Service interface for testing applications
ISO 22093 DMIS, Dimensional Measuring Interface Standard
(ISO 10303-219, Dimensional inspection information exchange)
(ISO/PAS 22720, ASAM Open Data Services)