ISO 16100-1:2009-12 (E)

Industrial automation systems and integration - Manufacturing software capability profiling for interoperability - Part 1: Framework

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Abbreviated terms 5

5 Manufacturing application 5
5.1 Reference application framework 5
5.2 Manufacturing domain 6
5.3 Manufacturing processes 7
5.4 Manufacturing resources 7
5.5 Manufacturing information 8

6 Manufacturing software interoperability framework 8
6.1 Manufacturing software unit interoperability 8
6.2 Functional relationships between the manufacturing software units 9
6.3 Services, interfaces and protocols 10
6.4 Manufacturing software unit capability profiling 10

7 Conformance 11

Annex A (informative) Manufacturing application reference model 12

Annex B (informative) Examples of the manufacturing activity reference model 16

Annex C (informative) Use cases 41

Bibliography 45