ISO 16300-3:2017-10 (E)

Automation systems and integration - Interoperability of capability units for manufacturing application solutions - Part 3: Verification and validation of interoperability among capability units

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols and abbreviated terms 3

5 Interoperability of MSUs 4
5.1 Interoperability background 4
5.2 MSU interoperability verification and validation 5
5.3 Interoperability levels 6

6 Interoperability verification and validation goals 7
6.1 Considered interoperability mechanisms 7
6.2 Interoperability verification goal 9
6.3 Interoperability validation goal 9

7 Interoperability verification process 10
7.1 Required artefacts for verification 10
7.2 Verification through matching process 11

8 Interoperability validation process 11
8.1 Required artefacts for validation 11
8.2 Validation through matching process 12

Annex A (informative) Conceptual structure of a capability profile including extension related template to interoperability 14

Annex B (informative) Adaptation example of ISO/IEC 25000 quality model for interoperability validation of MSUs 16

Annex C (informative) OPM schemas related to interoperability verification and validation 21

Bibliography 24