ISO 15686-4:2014-01 (E)

Building Construction - Service Life Planning - Part 4: Service Life Planning using Building Information Modelling

Contents

Page

Foreword iv

Introduction v

1 Scope 1
1.1 Process map 2
1.2 Data requirements 3
1.3 IFC support for service life planning 4

2 Normative references 5

3 Termsanddefinitions 5

4 Productdefinition 6
4.1 General 6
4.2 Required data 6
4.3 Product type 6
4.4 Product occurrence 7
4.5 Product origination 8
4.6 Classification 10

5 Productspecificationandselection 11
5.1 General 11
5.2 Functional measures and quantities 12
5.3 Selection and performance characteristics 12

6 Product reference service life 13
6.1 General 13
6.2 Required data 13
6.3 Service life characteristics 13

7 Product estimated service life 16
7.1 General 16
7.2 Required data 17
7.3 Context factors for evaluations 17

8 Product impacts 18
8.1 General 18
8.2 Required data 19
8.3 Impacts 19

9 Representation of uncertainty 22
9.1 General 22
9.2 Certain data 22
9.3 Uncertain data 22

Annex A (normative) Property set template for service life 28

Annex B (normative) Property set template for service life context 29

Annex C (normative) Property set template for environmental impact values 30

Annex D (informative) Example using data from Clauses 6 to 9 31

Bibliography 33