ISO/TR 16705:2016-08 (E)

Statistical methods for implementation of Six Sigma - Selected illustrations of contingency table analysis

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Symbols and abbreviated terms 2

5 General description of contingency table analysis 2
5.1 Overview of the structure of contingency table analysis 2
5.2 Overall objectives of contingency table analysis 3
5.3 List attributes of interest 3
5.4 State a null hypothesis 3
5.5 Sampling plan 3
5.6 Process and analyse data 4
5.6.1 Chi-squared test 4
5.6.2 Linear trend test 6
5.6.3 Correspondence analysis 6
5.7 Conclusions 7

6 Description of Annexes A through D 7

Annex A (informative) Distribution of number of technical issues found after product releasetothefield 8

Annex B (informative) People's perception about contented life 15

Annex C (informative) Customer satisfaction research on a brand of beer 20

Annex D (informative) Proportions of nonconforming parts of production lines 26

Bibliography 31