

ISO 28597:2017-10 (E)

Acceptance sampling procedures by attributes - Specified quality levels in nonconforming items per million

| Contents | | Page |
|-----------------------|---|-------------|
| Foreword | | iv |
| Introduction | | vi |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms, definitions, symbols and abbreviated terms | 1 |
| 4 | General principles | 2 |
| 4.1 | Objective | 2 |
| 4.2 | Quality assessment of product | 2 |
| 4.3 | Acceptance sampling of a lot | 2 |
| 5 | Estimation of quality levels in nonconforming items per million items | 3 |
| 5.1 | Prerequisites | 3 |
| 5.2 | Data sources | 3 |
| 5.3 | Estimation of pM, the process quality level | 3 |
| 5.4 | Sampling requirements and guidelines | 4 |
| 5.5 | Examples of estimation of the quality level | 4 |
| 5.5.1 | Example for single data source | 4 |
| 5.5.2 | Example for multiple data sources | 4 |
| 5.6 | Reporting results | 5 |
| 5.6.1 | Reporting fraction nonconforming in nonconforming items per million items | 5 |
| 5.6.2 | Period of data accumulation | 5 |
| 5.6.3 | Reporting requirements of estimated quality levels | 5 |
| 5.6.4 | Data exclusion options | 5 |
| 6 | Lot acceptance sampling requirements and procedures | 5 |
| 6.1 | Overview | 5 |
| 6.2 | Requirements and guidelines | 6 |
| 6.3 | Lot acceptance procedure | 6 |
| 6.4 | Illustrated use of Table 1 | 7 |
| 6.4.1 | Assessed process quality level falls in a given interval for the selected LQL | 7 |
| 6.4.2 | Assessed process quality level does not fall in a given interval for the selected LQL | 7 |
| 7 | Single sampling plans indexed by LQL in nonconforming items per million items | 8 |
| Annex A (normative) | Data exclusion | 12 |
| Annex B (informative) | Underlying theory for generating point estimates of quality level in fraction nonconforming | 15 |
| Annex C (informative) | Statistical theory and calculation of Table 1 | 17 |
| Bibliography | | 19 |