

ISO 21106:2019-11 (E)

Railway applications - Recyclability and recoverability calculation method for rolling stock

| Contents | | Page |
|--|---------------------------------------|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 2 |
| 3 | Terms and definitions | 2 |
| 4 | Symbols and abbreviated terms | 4 |
| 5 | End-of-life treatment process | 6 |
| 5.1 | General | 6 |
| 5.1.1 | Overview | 6 |
| 5.1.2 | Pre-treatment | 7 |
| 5.1.3 | Dismantling | 7 |
| 5.1.4 | Shredding | 7 |
| 5.2 | Efficiency of recycling process | 8 |
| 5.2.1 | General | 8 |
| 5.2.2 | Material recycling | 9 |
| 5.2.3 | Energy recovery | 9 |
| 5.3 | Documentation of factors | 9 |
| 5.4 | Breakdown materials | 10 |
| 6 | Calculation methods | 10 |
| 6.1 | Recyclability rate | 10 |
| 6.2 | Recoverability rate | 10 |
| 6.3 | Limitation | 11 |
| Annex A (informative) Data sheet | | 12 |
| Annex B (normative) Checklist for each stage | | 14 |
| Bibliography | | 16 |