

# ISO/IEC TR 24729-2:2008-04 (E)

## Information technology - Radio frequency identification for item management - Implementation guidelines - Part 2: Recycling and RFID tags

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>3</b>	<b>Symbols (and abbreviated terms) .....</b>	<b>1</b>
<b>4</b>	<b>Using RFID tagging to improve the environment .....</b>	<b>2</b>
4.1	Use of RFID to improve waste stream recycling .....	2
4.1.1	Tracking waste with RFID .....	2
4.1.2	Recycle process mark .....	2
4.2	Recycle process automation .....	2
<b>5</b>	<b>Recycling of RF tags .....</b>	<b>3</b>
5.1	General .....	3
5.2	Passive tags .....	3
5.2.1	Overview .....	3
5.2.2	Passive RFID tags and presently recycled materials .....	3
5.2.3	Recycling .....	6
5.2.4	Disposal of passive tags as waste .....	7
5.2.5	Other regulatory considerations .....	7
5.3	Active tags .....	8
5.3.1	General .....	8
5.3.2	Presently recycled material .....	8
5.3.3	Reuse of active tags .....	9
<b>Annex A (informative) Recycle streams .....</b>		<b>10</b>
<b>Annex B (informative) Chemical make-up of a typical passive RF tag .....</b>		<b>11</b>
<b>Annex C (informative) Chemical make-up of a typical active RF tag .....</b>		<b>12</b>
<b>Annex D (informative) Fibre Box Association National Council for Air and Streams Improvement ....</b>		<b>13</b>
<b>Annex E (informative) Confederation of European Paper Industries .....</b>		<b>14</b>
<b>Annex F (informative) Society of Plastic Engineers .....</b>		<b>15</b>
<b>Annex G (informative) Society of Plastic Industries .....</b>		<b>16</b>
<b>Annex H (informative) Glass Packaging Institute .....</b>		<b>17</b>
<b>Annex I (informative) Steel Recycling Institute .....</b>		<b>18</b>
<b>Annex J (informative) Aluminium Association .....</b>		<b>19</b>
<b>Annex K (informative) Institute of Scrap Recycling Industries .....</b>		<b>20</b>
<b>Annex L (informative) Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC of the European Parliament .....</b>		<b>21</b>

<b>Annex M (informative) Restriction Of Hazardous Substances (RoHS) Directive 2002/95/EC of the European Parliament .....</b>	<b>22</b>
<b>Annex N (informative) End of Live Vehicle (ELV) .....</b>	<b>23</b>
<b>Annex O (informative) Home Electronics Recycling Law (HERL) in Japan .....</b>	<b>24</b>
<b>Annex P (informative) Extended Producer Responsibility Program (EPRP) in Korea .....</b>	<b>26</b>
<b>Annex Q (informative) Prohibited and Allowable Substances List .....</b>	<b>27</b>
<b>Bibliography .....</b>	<b>28</b>