



**SPECIFICATION FOR THE SUPPLY AND DELIVERY OF RECHARGEABLE BATTERY IN PROTECTIVE LEATHER CARRY CASE, FOR THE KWAZULU-NATAL DEPARTMENT OF TRANSPORT**

**SPEC NUMBER KZNDOTE009/2025**



**RECHARGEABLE BATTERY IN PROTECTIVE LEATHER CARRY CASE**

| Doc No          | Date       | Responsibility    | Version | Page Number   |
|-----------------|------------|-------------------|---------|---------------|
| KZNDOTE009/2025 | 2025-09-22 | KZN RTI LOGISTICS | 001     | <b>1 of 6</b> |



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**SCOPE OF THE REQUIREMENT**

The KwaZulu-Natal Department of Transport requires Rechargeable Batteries in Protective Leather Carry Cases for use with the Speed Measuring Equipment (SME) regarding speed law enforcement activities. These batteries need to be compatible with the existing SMEs being used by the department.

**IMPORTANT NOTICE!**

- Attention is drawn to the detailed specification technical requirements herein.
- The KZN Department of Transport requires that all columns in the specification document must be completed. If a specific column cannot be completed, a detailed explanation must be provided. The KZN Department of Transport then use discretion to either accept or reject the explanation or deviation.
- No materials shall be supplied by the KZN Department of Transport.
- Digital images/illustrations/drawings in the specification are not scaled and are for guidance only.
- The KZN Department of Transport takes no responsibility whatsoever for the violation of any patent rights.
- Attention is drawn to the possible requirement of an identification type and/or method of labeling in or onto the end-product or any part of the product as requested in the specification.
- The specification includes normative references to guide the product quality standards to which the product must adhere, and it refers to the latest edition of each standard as far as possible. The bidder is strongly encouraged to take steps to ensure the use and standards of the most recent editions of the norms and standards documents referred to in the specification.
- Indicate only **Comply** or **Not comply** in the "State:" box. No "X" or "✓" indications shall be allowed.

| NO   | DESCRIPTION                                                                                                                                                                                                                                                          | OFFER: PLEASE ONLY STATE: <b><u>COMPLY</u></b> OR <b><u>NOT COMPLY</u></b> BELOW |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|      | Rechargeable Batteries in Protective Leather Carry Cases refer to the portable power supply units used for the Speed Measuring Equipment (SME) together with the required durable leather carry cases designed to store, transport, and protect these power sources. |                                                                                  |
| 1.   | <b>RECHARGEABLE BATTERY REQUIREMENTS</b>                                                                                                                                                                                                                             |                                                                                  |
| 1.1. | Must be a 12V/12Ah Sealed Lead Rechargeable Battery                                                                                                                                                                                                                  | STATE:                                                                           |
| 1.2. | Approximate Dimensions: Height 98mm x Length 151mm x Width 95mm                                                                                                                                                                                                      | STATE:                                                                           |
| 1.3. | Must provide a constant voltage charge                                                                                                                                                                                                                               | STATE:                                                                           |
| 1.4. | Must provide for Cycle Use: 14.4 - 15.0V                                                                                                                                                                                                                             | STATE:                                                                           |
| 1.5. | Standby Use: 13.5 - 13.8V                                                                                                                                                                                                                                            | STATE:                                                                           |

| Doc No          | Date       | Responsibility    | Version | Page Number   |
|-----------------|------------|-------------------|---------|---------------|
| KZNDOTE009/2025 | 2025-09-22 | KZN RTI LOGISTICS | 001     | <b>2 of 6</b> |



**SPECIFICATION FOR THE SUPPLY AND DELIVERY OF RECHARGEABLE BATTERY IN PROTECTIVE LEATHER CARRY CASE, FOR THE KWAZULU-NATAL DEPARTMENT OF TRANSPORT**

**SPEC NUMBER KZNDOTE009/2025**

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|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 1.6.    | Initial Current: Less than 3.6A                                                                                                                                              | STATE: |
| 1.7.    | Must be compatible with the standard cigarette lighter type power supply connector system                                                                                    | STATE: |
| 2.      | <b>PROTECTIVE LEATHER CARRY CASE REQUIREMENTS</b>                                                                                                                            |        |
| 2.1.    | Must fully encase battery, wiring and rear of cigarette lighter socket                                                                                                       | STATE: |
| 2.2.    | Must include a secure closing mechanism                                                                                                                                      | STATE: |
| 2.3.    | Must provide secure housing for the battery to prevent undue movement whilst being handled                                                                                   | STATE: |
| 2.4.    | Must have separation between battery compartment and wiring component                                                                                                        | STATE: |
| 2.5.    | Must provide a female cigarette lighter type socket accessible from the outside (front) to connect the SME power cable plug (male cigarette lighter type plug)               | STATE: |
| 2.6.    | Wiring between positive battery terminal and socket to include a suitable fuse to safeguard the connected device                                                             | STATE: |
| 2.7.    | All wiring shall be adequately insulated and fitted with connectors that comply with applicable industry standards                                                           | STATE: |
| 2.8.    | Approximate dimensions: Height 110mm x Length 210mm x Width 110mm                                                                                                            | STATE: |
| 2.9.    | Must be constructed from 2mm-3mm thick leather – Selected for its proven durability                                                                                          | STATE: |
| 2.10.   | Must include shoulder strap                                                                                                                                                  | STATE: |
| 2.10.1. | <ul style="list-style-type: none"><li>Minimum width: 35mm-40mm</li></ul>                                                                                                     | STATE: |
| 2.10.2. | <ul style="list-style-type: none"><li>Minimum length: 800mm</li></ul>                                                                                                        | STATE: |
| 2.10.3. | <ul style="list-style-type: none"><li>Material: Nylon webbing</li></ul>                                                                                                      | STATE: |
| 2.11.   | Colour of protective case and carry strap to be black                                                                                                                        | STATE: |
| 3.      | <b>Workmanship/Performance standards</b>                                                                                                                                     |        |
| 3.1.    | All items and components shall be manufactured with first-class workmanship, ensuring consistent quality, durability, and compliance with the required standards throughout. | STATE: |
| 3.2.    | All items and components shall be free from any defects that may affect serviceability.                                                                                      | STATE: |
| 3.3.    | All items and components shall be free from any rough or sharp edges, burrs, or projections that may cause damage or injury.                                                 | STATE: |

| Doc No          | Date       | Responsibility    | Version | Page Number   |
|-----------------|------------|-------------------|---------|---------------|
| KZNDOTE009/2025 | 2025-09-22 | KZN RTI LOGISTICS | 001     | <b>3 of 6</b> |



**SPECIFICATION FOR THE SUPPLY AND DELIVERY OF RECHARGEABLE BATTERY IN PROTECTIVE LEATHER CARRY CASE, FOR THE KWAZULU-NATAL DEPARTMENT OF TRANSPORT**

**SPEC NUMBER KZNDOTE009/2025**

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| 4.   | <b>Packaging and Delivery</b>                                                                                                                                                                                                                                        |        |
| 4.1. | All items shall be delivered in a clean and commercially dry condition.                                                                                                                                                                                              | STATE: |
| 4.2. | Packed in such a manner that it will not be damaged in transit or during storage.                                                                                                                                                                                    | STATE: |
| 4.3. | Unless otherwise specified in the order or contract, the items may be packed in acceptable bulk containers for transit.                                                                                                                                              | STATE: |
| 5.   | <b>Deviation from specification requirements</b>                                                                                                                                                                                                                     |        |
| 5.1. | Should the bidder deviate from any of the technical requirements within the specification, must be clearly indicated as such below. The KZN Department of Transport has the right to it accept or to reject any alternative offer/deviation indicated by the bidder. |        |
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**SPEC NUMBER KZNDOTE009/2025**

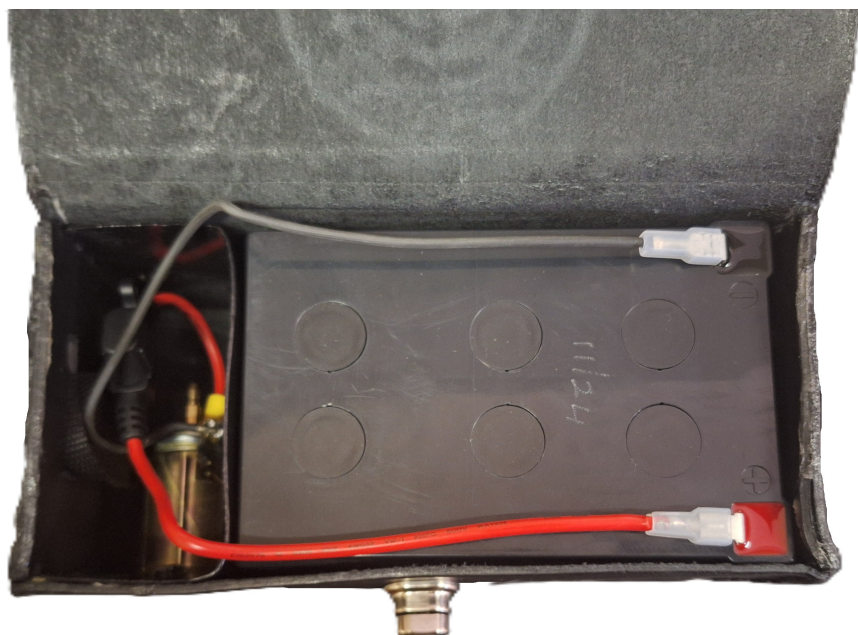
### 6. Digital illustrations

*Digit Digital images/Illustrations/drawings in the specification are not scaled and are for guidance only. Images do not depict actual item/s/model required but rather serve to illustrate or explain the requirements.*

#### 6.1. Example of Rechargeable Battery



#### 6.2. Example of complete unit (Battery inside the case and power connector)



| Doc No          | Date       | Responsibility    | Version | Page Number |
|-----------------|------------|-------------------|---------|-------------|
| KZNDOTE009/2025 | 2025-09-22 | KZN RTI LOGISTICS | 001     | 5 of 6      |

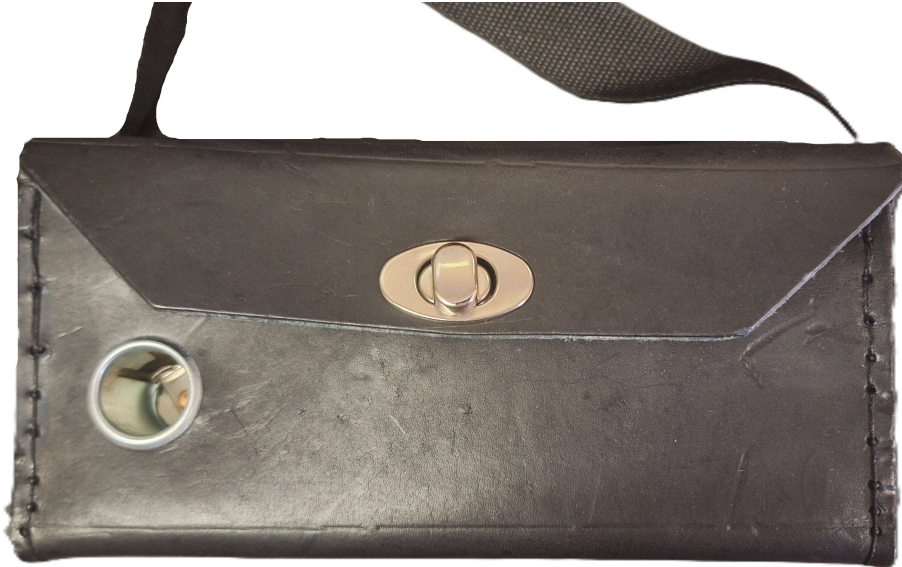




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**SPEC NUMBER KZNDOTE009/2025**

**6.3. Examples of front of carry case (female power connector and closing mechanism)**



| Doc No          | Date       | Responsibility    | Version | Page Number |
|-----------------|------------|-------------------|---------|-------------|
| KZNDOTE009/2025 | 2025-09-22 | KZN RTI LOGISTICS | 001     | 6 of 6      |