

SUPERSEDED

**Specification (Measurement)**

**Transport and Main Roads Specifications  
MRS221 Help Phones**

**July 2019**

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## 1 Introduction

This Specification applies to the requirements for the design, supply of materials and equipment, installation, testing, commissioning and maintenance, handover and documentation of the Provision of Help Phones.

This Specification should be read in conjunction with MRS01 *Introduction to Specifications*, MRTS221 *Help Phones*, MRS263 *Standalone Solar (PV) Power Systems* and other Specifications as appropriate.

This Specification forms part of the Transport and Main Roads Specifications Manual.

## 2 Measurement of works

### 2.1 Standard Work Items

In accordance with the provisions of Clause 2 of MRS01 *Introduction to Specifications*, the Standard Work Items covered by this Specification are listed in Table 2.1.

For Standard Work Items relating to Solar Power and Battery power, refer to MRS263 *Standalone Solar (PV) Power Systems*. For Standard Work Items for Mains Connection, refer to MRS210 *Provision of Mains Power*.

**Table 2.1 – Standard Work Items**

Standard Item No.	Description	Unit of Measurements
<b>Help phones</b>		
63301	Supply, installation and connection of Help Phone for mains supply and direct connection into the Transport and Main Roads communications network [ <i>list locations</i> ]	each
63302	Supply, installation and connection of Help Phone for solar power and telecommunications service provider [ <i>wireless   wired</i> ] connection [ <i>list locations</i> ] [ <i>type</i> ], excluding the SIM card	each
<b>Removal of existing help phone equipment</b>		
63391	Removal of Help Phone equipment for re-use	each
63392	Removal of Help Phone equipment for disposal	each

### 2.2 Work Operations

**Item 63301      Supply, installation and connection of Help Phone for mains supply and direct connection into the Transport and Main Roads communications network [*list locations*]**

Work Operations incorporated in the above item include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) general equipment requirements stated in MRTS201
- c) supply, fabrication, installation, testing and documentation of equipment in accordance with the requirements of MRTS221, and
- d) provision of handover documentation in accordance with MRTS201, and MRTS210.

**Item 63302      Supply, installation and connection of Help Phone for solar power and telecommunications service provider [*wireless / wired*] connection [*list locations*] [*type*], excluding the SIM card**

Work Operations incorporated in the above item include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) general equipment requirements stated in MRTS201
- c) supply, fabrication, installation, testing and documentation of equipment in accordance with the requirements of MRTS221, and
- d) provision of telecommunications service.

**Item 63391      Removal of Help Phone equipment for re-use**

Work Operations incorporated in the above item include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) disconnection of electrical supply, including termination and 'making safe' of supply cable where applicable
- c) disconnection of telecommunications connection
- d) removal of help phone and supporting pole, and
- e) transport of all components to Principal's storage facility or designated site storage area for re-use.

**Item 63392      Removal of Help Phone equipment for disposal**

Work Operations incorporated in the above item include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) disconnection of electrical supply, including termination and 'making safe' of supply cable where applicable
- c) disconnection of telecommunications connection
- d) removal of help phone and supporting pole, and
- e) transport of all components and disposal.

**2.3      Method of measurement of provision of help phones**

This Specification provides Standard Work Items for:

- a) supply and installation

of Help Phones.

Any combination of Standard Work Items relating to these methods of measurement may be used in the Schedule of Rates. However, where a Standard Work Item for supply and installation of a particular component or group of components is included in the Schedule of Rates, no supply only, nor installation only Standard Work Item shall also apply to that component or group of components as applicable.

#### **2.4 Supply of materials**

Any materials to be supplied by the Principal will be as stated in the Principal Supplied Material List Form C6827. All other material shall be supplied by the Contractor.

The responsibility for transport to the Site of materials supplied by the Principal shall be as stated in the Principal Supplied Material List Form C6827. Transport to the Site of all other materials shall be the responsibility of the Contractor.

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