Meridian 1

Meridian Companion

Programming and Provisioning Record

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Introduction

The *Meridian Companion Programming and Provisioning Record* contains a system information record, an installation record, and a portable users record.

A copy of this document should be kept at the customer site. Vendors involved in maintaining the Meridian Companion system should also have a copy of this document.

Use a pencil to record information that may vary and make photocopies of the tables as necessary.

System information record

Contacts

Client	
Company name	
Address	
Contact name	
Telephone number	
Billing number	
Date received	

Supplier	
Company name	
Address	
Contact name	
Telephone number	
Invoice number	
Shipping date	

Installer	
Name	
Installation date	

Provisioning information record

After completing the following table, add the number of Base Stations and antennas, and enter the totals in Table on page 9. Add the number of Base Stations requiring RPIs and use the total to calculate RPI requirements in Table 2 on page 9.

Note: Use a photocopy of the following table to record your information.

Base Station location	Number of Base Stations	Base Station radio numbers	RPI or local power	External antennas locations

Equipment

Determining the number of remote power interconnect units

Use Table 1 to determine how many Base Stations need remote power interconnect (RPI) units. Record the number of RPIs required in the table on page 6.

Table 1: Minimum RPI units required

Number of Base Stations	Number of RPI-16 and RPI-8 required
1–8	**1** RPI-8
9–16	**1** RPI-16
17–24	**1** RPI-16 and **1** RPI-8
25–32	**2** RPI-16
33–40	**2** RPI-16 and **1** RPI-8
41–48	**3** RPI-16
49–56	**3** RPI-16 and **1** RPI-8
57–64	**4** RPI-16
65–72	**4** RPI-16 and **1** RPI-8
73–80	**5** RPI-16
81–88	**5** RPI-16 and **1** RPI-8
89–96	**6** RPI-16
97–104	**6** RPI-16 and **1** RPI-8
105–112	**7** RPI-16
113–120	**7** RPI-16 and **1** RPI-8
121–128	**8** RPI-16
129-136	**8** RPI-16 and **1** RPI-8
137-144	**9** RPI-16

Table 1: Minimum RPI units required (continued)

Number of Base Stations	Number of RPI-16 and RPI-8 required
145-152	**9** RPI-16 and **1** RPI-8
153-160	**10** RPI-16
161-168	**10** RPI-16 and **1** RPI-8
169-176	**11** RPI-16
177-184	**11** RPI-16 and **1** RPI-8
185-192	**12** RPI-16
193-200	**12** RPI-16 and **1** RPI-8
201-208	**13** RPI-16
209-216	**13** RPI-16 and **1** RPI-8
217-224	**14** RPI-16
225-232	**14** RPI-16 and **1** RPI-8
233-240	**15** RPI-16

Record the number of units installed in the following table.

Table 2: Equipment requirements

Date of upgrade	Quantity	Equipment
	1	Companion Meridian Controller Card with NTCK94 ROM daughter card that contains the software (required for all systems)
		Companion Meridian Radio Line Card
		Companion Meridian Line Card
		Companion Meridian Base Station Card
		interboard faceplate cable harness (one included with each Companion Meridian Radio Line Card, Companion Meridian Line Card and Companion Meridian Base Station Card)
		Controller Card bypass faceplate cable harness for systems other than Option 11 and Option 21
		Companion Meridian Radio Line Card maintenance cable
		Companion Meridian Line Card maintenance cable
		Companion Meridian Base Station Card maintenance cable
		RS-232 cable (10 feet, 25 feet)
	1	Administration Terminal, or a RAD and an administration PC
		Base Stations (C1110)
		plug-top power supplies
		RPIs (8s or 16s)
		C3050 portable telephones
		outdoor antennas, omnidirectional antennas, mounting brackets, and lightning surge arrestors

Note: Some sites may use the Companion Diagnostic Software (CDS) to evaluate and maintain their radios, or use Companion Manager to administer their Meridian Companion system.

Equipment requirements for sites using CDS or Companion Manager

Date of upgrade	Quantity	Equipment
		IBM PC-compatible computer (administration PC)
		9600 baud Hayes-compatible modem (for remote administration)
		A/B box (for switching between local and remote access to RAD by administration PC)
		null modem cable (10 feet, 25 feet)
		remote access device RAD

Installation record

Complete the following tables after installing your Meridian Companion system.

Companion Meridian Controller Card

The Companion Meridian Controller Card supports up to 15 Base Stations, up to 32 users, and either an Administration Terminal or a RAD for connecting a PC running Companion Manager. If a system uses an Administration Terminal and a RAD, the Companion Meridian Controller Card supports up to 14 Base Stations.

On systems prior to a Meridian Companion Enhanced Capacity (the M32 feature in Release 24, Package 350), the CMCC supports up to 15 Base Stations, up to 16 users, and either an Administration Terminal or a RAD for connecting a PC running Companion Manager. If a system uses an Administration Terminal and a RAD, the Companion Meridian Controller Card supports up to 14 Base Stations.

Use a photocopy to record your information

Card number: _____

TCM port	TCM wiring		Base Station label	RPI units (number or description)	RPI wiring[1]	
	Distribution block # (Meridian 1)	Distribution block # (Base Station)			Distribution block number for power #1	Distribution block number for power
-00			Admin. Term. or RAD			
-01						
-02						
-03						
-04						
-05						
-06						
-07						
-08						
-09						
-10						
-11						
-12						
-13						
-14						
-15						

1. RPI wiring applies to certain conditions only. Refer to *Meridian Companion Installation and Maintenance Guide* for more information.

Companion Meridian Radio Line Card

Each Companion Meridian Radio Line Card supports up to 16 Base Stations and 32 portable telephones. On systems prior to Meridian Companion Enhanced Capacity (the M32 feature in package 350) each CMRC supports up to 16 Base Stations and 16 portable telephones.

Use a photocopy to record your information.

Card number: _____

TCM port	TCM wiring		Base Station label	RPI units (number or description)	RPI wiring[1]	
	Distribution block # (Meridian 1)	Distribution block # (Base Station)			Distribution block # for TCM (if used)	Distribution block # for power
-00						
-01						
-02						
-03						
-04						
-05						
-06						
-07						
-08						
-09						
-10						
-11						
-12						
-13						
-14						
-15						

1. RPI wiring applies to certain configurations only. Refer to *Meridian Companion Installation and Maintenance Guide* for more information.

Companion Meridian Base Station Card

The Companion Meridian Base Station Card supports up to 16 Base Stations and no users. It allows you to increase the size of the coverage area without adding more users.

Use a photocopy to record your information.

Card number: _____

TCM port	TCM wiring		Base Station label	RPI units (number or description)	RPI wiring[1]	
	Distribution block # (Meridian 1)	Distribution block # (Base Station)			Distribution block # for TCM (if used)	Distribution block # for power
-00						
-01						
-02						
-03						
-04						
-05						
-06						
-07						
-08						
-09						
-10						
-11						
-12						
-13						
-14						
-15						

1. RPI wiring applies to certain configurations only. Refer to *Meridian Companion Installation and Maintenance Guide* for more information.

System programming record

Configuration programming

Telephony data

Dial delay

Dial delay is the time that occurs between the selection of an access line for an outgoing call and the transmission of the telephone number on that line. Each host switch needs a specific time to ensure that dial tone is present before transmitting the telephone number.

Dial delay	

B03 gain value

The Meridian Companion system contains digital interconnections that establish various digital signal paths within the system. There are currently five paths. By default, the gain associated with the paths upon installation is 0. Product bulletins or other special circumstances may require the installer to adjust the gain values.

PBX to CPP	
CPP to PBX	
PBX to RAD	
RAD to PBX	
TONE to PBX	

Side tone

The side tone option enables a person to hear their own voice when using the portable telephone. By default, the side tone option is on at installation.

Side tone	

CMCC slot

CMCC slot is used to verify, and if necessary, adjust the card slot address reported by the Meridian Companion system. Certain system configurations may require you to adjust the address (value) by applying an offset value. The display shows the address as cc xuu, where cc is the card slot address, x indicated the type of adjustment (positive, negative, or unchanged) and uu is the offset value.

CMCC slot	

WTN

The number of wireless terminals can be changed to be16 or 32.

WTN	

Mobility data

System LID

Record the System Access Logical Identifier (LID) that uniquely identifies the system to the portables it supports. The System LID must have four characters (letters or numbers). When you first power up your system, the default System LID is a randomly generated value between 0500 and FFFE.

Changing the System LID disables all portables. If you change the LID on an existing system that has registered portables, you will invalidate the registration of all the portables on the system. Portables must be reregistered before they can be used with the system, or the System LID must be changed back to its previous value. Only an installer should change the System LID.

System LID				

Antenna setting

The available settings are internal or external antenna. The default at system startup is internal. Record the radios that are set to external antenna.

Radio	Radio

Administration set data

Installer password

The Installer password allows access to Configuration, Administration, and Maintenance programming. It should *not* be the same as the default password (0 0 0 0).

Installer password						

Administration programming

User options

Radio loss handling

If a portable user moves out of the coverage area, a radio link may be lost. The system can be programmed to transfer dropped calls to another number. A system-wide default is not required, but if it is used, it should be written below. There is a maximum of 16 digits.

If you want to use a default number, circle Default and write the telephone number you program to be the system-wide default. If you do not want to use a default number, circle None. If a user wants to use a unique number (an office number, for example) record it in Table 2 under “Radio loss handling”.

Default number	None Default															

Passwords

Administration password

The Administration password allows access to Administration programming. It should *not* be the same as the default password (9 9 9 9).

Administration password						

Registration password

The Registration password allows portable registration. It should *not* be the same as the default password (7 2 3 4 6).

Registration password						

Portable user information

Use Table 3 to record information about the portables for your system.

Note: If you have Companion Manager, use a printout showing the user's class of service features to assist in filling out the CLS column.

Use photocopies of Table 3 to record your information.

Table 3: Portable user information

WTN	User name	Portable directory number	CLS	Meridian Companion CLS		
				Radio loss handling	MCRA/ MCRD/not available	CLID/ CPND
__00						
__01						
__02						
__03						
__04						
__05						
__06						
__07						
__08						
__09						
__10						
__11						
__12						
__13						
__14						
__15						

Table 3: Portable user information (continued)

WTN	User name	Portable directory number	CLS	Meridian Companion CLS		
				Radio loss handling	MCRA/ MCRD/not available	CLID/ CPND
__16						
__17						
__18						
__19						
__20						
__21						
__22						
__23						
__24						
__25						
__26						
__27						
__28						
__29						
__30						
__31						

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