

- 1 Q. Volume III, Tab 32 – Replace MDR-4000 Microwave Radio (East)
- 2 Please outline any spares or components Hydro has on hand for the current system.
- 3
- 4

- 5 A. The spares that Hydro has on hand for the current system are listed below.
- 6

MDR 4000 - Box 1

Qty ▼	Description ▼	Part # ▼	Manufact ▼
3	Down Convertor	644-0203-001	Alcatel
1	Fan Assembly	694-2009-001	Alcatel
1	Power Amplifier	644-0132-002	Alcatel
1	Power Amplifier	822-0185-001	Alcatel
4	RX Oscillator	277-0642-070	Alcatel
1	RX Oscillator	277-0642-080	Alcatel
2	TX Oscillator	277-0631-110	Alcatel
1	TX Oscillator	277-0631-120	Alcatel
1	UP Convertor	622-8886-001	Alcatel

MDR 4000 - Box 2

Qty ▼	Description ▼	Part # ▼	Manufact ▼
1	DS1 Card	690-3669-001	Alcatel
1	DTMF Keypad	644-0245-001	Alcatel
1	IF Combiner	622-6030-007	Alcatel
2	Modulator	644-0112-003	Alcatel
1	Power Regulator	644-0159-001	Alcatel
1	SCM W/OW Order Wire	644-0117-001	Alcatel
3	USI-LAN	822-0294-001	Alcatel

MDR 4000 - Box 3

Qty ▼	Description ▼	Part # ▼	Manufact ▼
1	Alarm Interface	644-0116-001	Alcatel
1	DS1 LBO	695-5711-801	Alcatel
1	IF Amplifier	622-8603-012	Alcatel
2	Input Conditioner	644-0110-013	Alcatel
1	OC3 Interface	3AL48029AFAI	Alcatel
1	Synchronizer	822-0115-001	Alcatel

MDR 4000 - Box 4

Qty ▼	Description ▼	Part # ▼	Manufact ▼
1	Radio Control Interface	644-0115-001	Alcatel
3	Shelf Processor	644-0003-001	Alcatel
4	Demodulator	644-0113-003	Alcatel

MDR 4000 - Back Room

Qty ▼	Description ▼	Part # ▼	Manufact ▼
3	Crystal, 100.138900	289-7051-540	
4	Crystal, 100.789500	289-4405-840	
4	Crystal, 100.625000	289-4405-830	
2	Crystal, 116.543000	289-4430-478	
1	Microwave Cable		