

The configuration of Single Channel DCC In MSR Series

Keywords:MSR;ISDN;Circular DCC

I Requirement for the diagram

Two MSR connected with E1, Apply Circular DCC.

Devices list: 2,MSR; 2,MIM-2E1; 1,E1;

CMW Version: version 5.20, Beta 1202P01, Standard

II Network topology

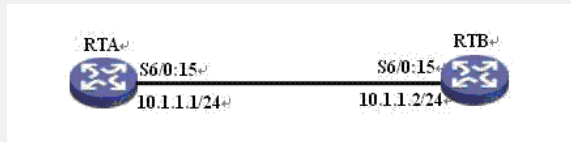


Figure 1-1 Single Channel Circular DCC

III Steps of configuration

RTA

```
#
sysname rta
#
//Set up dialer group 1, permit IP package, and trigger dial
dialer-rule 1 ip permit
#
controller E1 6/0
pri-set
//Set this side clock to Master
clock master
#
controller E1 6/1
#
interface Serial6/0:15
link-protocol ppp
ip address 10.1.1.1 255.255.255.0
//Enable circular DCC on this interface
dialer enable-circular
//Set this interface to dialer group 1
dialer-group 1
//Set dialer number facing to the other side
dialer number 6688012
//Set this side to Network side
isdn protocol-mode network
```

RTB

```
#
sysname rtb
#
dialer-rule 1 ip permit
#
vlan 1
#
controller E1 6/0
pri-set
#
interface Serial6/0:15
link-protocol ppp
ip address 10.1.1.2 255.255.255.0
dialer enable-circular
dialer-group 1
dialer number 6688011
```

IV Key notes in the configuration

- 1) Set RTA to Master mode, RTB as default;
- 2) Set the ISDN protocol to network of interface Serial 6/0:15, RTB as default;
- 3) If there are other device between RTA and RTB, make sure to the woking mode of each interface, Master or Slave? Network or User.

V Result Check

- 1) Ping the interface address of RTB from RTA, initiate dialer;
[rta-Serial6/0:15]ping 10.1.1.2
PING 10.1.1.2: 56 data bytes, press CTRL_C to break
Request time out

```
%Dec 22 11:23:28:388 2006 rta IFNET/4/UPDOWN:
  Line protocol on the interface Serial6/0:2 is UP
%Dec 22 11:23:28:398 2006 rta IFNET/4/UPDOWN:
  Protocol PPP IPCP on the interface Serial6/0:2 is UP
    Request time out
    Reply from 10.1.1.2: bytes=56 Sequence=3 ttl=255 time=26 ms
    Reply from 10.1.1.2: bytes=56 Sequence=4 ttl=255 time=26 ms
    Reply from 10.1.1.2: bytes=56 Sequence=5 ttl=255 time=25 ms

--- 10.1.1.2 ping statistics ---
  5 packet(s) transmitted
  3 packet(s) received
  40.00% packet loss
  round-trip min/avg/max = 25/25/26 ms
2) Check tunnel interface state:
[rta-Serial6/0:15]dis isdn call-info
Serial6/0:15(Network-side) :
  Link Layer 1: TEI = 0, State = MULTIPLE_FRAME_ESTABLISHED
  Network Layer: 1 connection(s)
  Connection 1 :
    CCIndex:0x0002 , State: Active , CES:1 , Channel:0x00000008
    TEI: 0
    Calling_Num[:Sub]: :
    Called_Num[:Sub]: 6688012:
```