SignalPath™ 201-SA (SP201-SA™)
Site Planning Worksheet

Version B, September 2003
Part Number 15387.0100

SignalPath Software Version 1020

This *Site Planning Worksheet* presents information for installation of the SP201-SA. It is designed to work with the *SP201-SA Installation Guide*.

Before you install and configure (provision) the SP201-SA, please obtain the following information from your site's network provisioning plan. Keep this worksheet available while you are configuring and provisioning the SP201-SA.

This worksheet will help you compile information to make your installation smooth. You can print this worksheet and complete it with pen or pencil.

Note: If you are installing a two-port SP201-SA, enter information only for ports 1 and 2. If you are installing a four-port SP201-SA, enter information for the ports your SP201-SA will use.

A System

Power Source: AC

Point Code Link: _____

(Your network administrator must supply the point code link for this node.)

Port Types: In Table 1, indicate one port type for each port.

Table 1. Port Type

Frame Type	Port 1	Port 2	Port 3	Port 4
T1 Port Types				
RJ48C, 100 ohms	___	___	___	___
E1 Port Types				
RJ48C, 120 ohms	___	___	___	___
BNC, 75 ohms	___	___	___	___

Clocking: In Table 2, pick one source for each clock—primary and secondary. (No two clocks can use the same trunk for a clock source.)

Table 2. Clocking Source

Clock	Clock Source: Internal	Trunk 1	Trunk 2	Trunk 3	Trunk 4
Primary	___	___	___	___	___
Secondary	___	___	___	___	___

B Trunk Configuration

Signaling: Indicate the protocol conversion the SP201-SA will perform. Then, in Table 3, indicate the set of trunks that use each protocol.

(For example, in R2 to ETSI ISDN signaling, trunks 1–2 of the four-port SP201-SA perform R2 signaling, and trunks 3–4 perform ETSI ISDN signaling.)

Protocol Conversion: _____ to _____

Table 3. Signaling

Protocol	Two-Port SP201-SA: Trunk 1 Four-Port SP201-SA: Trunks 1 and 2	Two-Port SP201-SA: Trunk 2 Four-Port SP201-SA: Trunks 3 and 4
DTMF	___	
R1	___	
R2	___	
ETSI ISDN		___
NI2 ISDN		___

Alarm Status: In Table 4, indicate whether each trunk's alarm will be on or off.

Table 4. Trunk Alarm Status

	Trunk			
Alarm Status	**1**	**2**	**3**	**4**
On	___	___	___	___
Off	___	___	___	___

Frame Types: In Table 5, indicate one DS1 type (frame type) for each trunk.

Table 5. Frame Type

	Trunk			
Frame Type	**1**	**2**	**3**	**4**
T1 Frame Types				
D4 SF	___	___	___	___
D4 ESF	___	___	___	___
E1 Frame Types				
G704 CRC	___	___	___	___
G704, no CRC	___	___	___	___
G704 MF CRC	___	___	___	___
G704 MF, no CRC	___	___	___	___

Line Coding: In Table 6, indicate one line coding type for each trunk.

Table 6. Line Coding Type

	Trunk			
Line Coding Type	**1**	**2**	**3**	**4**
T1 Line Coding Types				
AMI	___	___	___	___
B8ZS	___	___	___	___
E1 Line Coding Types				
AMI	___	___	___	___
HDB3	___	___	___	___

Frame Types: In Table 7, indicate the cable length for each T1 trunk.

Table 7. T1 Cable Length

T1 Cable Length	Trunk 1	Trunk 2	Trunk 3	Trunk 4
0 to 115 feet (0 to 35 meters)	___	___	___	___
82 to 213 feet (25 to 65 meters)	___	___	___	___
180 to 312 feet (55 to 95 meters)	___	___	___	___
279 to 410 feet (85 to 125 meters)	___	___	___	___
377 to 509 feet (115 to 155 meters)	___	___	___	___
476 to 607 feet (145 to 185 meters)	___	___	___	___
574 to 689 feet (175 to 210 meters)	___	___	___	___

C Channel Configuration

Channels in Service: In Table 8, indicate the DS0s (channels) that will be in service.

Table 8. Channels in Service (Sheet 1 of 2)

Channel	Trunk 1	Trunk 2	Trunk 3	Trunk 4
1	___	___	___	___
2	___	___	___	___
3	___	___	___	___
4	___	___	___	___
5	___	___	___	___
6	___	___	___	___
7	___	___	___	___
8	___	___	___	___
9	___	___	___	___
10	___	___	___	___
11	___	___	___	___
12	___	___	___	___
13	___	___	___	___

Table 8. Channels in Service *(Sheet 2 of 2)*

Channel	Trunk 1	2	3	4
14	___	___	___	___
15	___	___	___	___
16[a]	___	___	___	___
17	___	___	___	___
18	___	___	___	___
19	___	___	___	___
20	___	___	___	___
21	___	___	___	___
22	___	___	___	___
23	___	___	___	___
24[a]	___	___	___	___
25	___	___	___	___
26	___	___	___	___
27	___	___	___	___
28	___	___	___	___
29	___	___	___	___
30	___	___	___	___
31	___	___	___	___

a. Timeslot 16 is the signaling channel for E1 lines.
Timeslot 24 is usually the signaling channel for T1 lines.