

## Asynchronous Connectivity via CLAN (TN799B) for DEFINITY®

**FEATURE:** This feature will provide the capability for Services to access the switch via TCP/IP using remote SAT (DSA). Remote Sat capability via TCP/IP will provide increase data speeds over existing speeds. System Application Limits : System Management G3r: 8 , G3si, csi : 5 , DEFINITY ONE® : N/A.

**Purpose :** This Job-Aid illustrates the capability to access DEFINITY®ECS via TCP/IP using BCMSVU R2V2 (and later) and DEFINITY SITE ADMINISTRATION (DSA).

**SECURITY:** Service requests by the client applications will be accepted on user administered IP addresses and TCP port numbers. In addition, the user will be able to specify explicit IP addresses that DEFINITY® ECS can accept client requests from.

### Step : Description

- 1 : change system parameters maintenance page 2 of 3**
  - Verify that Packet Intf1 and Intf2 are set to yes
  - See NOTE for Bus Bridge administration
- 2 : list configuration all to verify that CLAN board is present in example 1A07**
- 3 : add data-module <ext>**
  - Pick an extension from a list that was dedicated for the data-module.
  - The port type must be selected as Ethernet (depress the <HELP> key)
  - The Port will be the 17th port on the board location i.e.. 1A0717
  - The Link should be selected as : 1 (Range = 1-25)
  - The Name should be selected as CLAN
- 4 : Display port 1A0717**

Verify that the Port information is administered correctly with the previous input
- 5 : list configuration board 1a07**

Verify that port 17 on the CLAN board is now assigned
- 6 : display communication-interface links**
  - The link ( 1 ) should be shown as administered.
  - The link is administered in step 3, this step is only a verification.
  - Verify the data shown is correct.

#### NOTE :

Verify Node-Names, IP-Address, Gateway Address with Local LAN/WAN Administrator.

Also check the \* **Microsoft® Support Knowledge Base Troubleshooting Wizards:**  
Article ID : Q163391; Q113342 ; Q102908 for additional assistance  
<http://search.support.microsoft.com/kb>  
<http://search.support.microsoft.com/kb/c.asp?fr=0&SD=GN&LN=EN-US>

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### Step : Description

#### 7 : Confirm DSA Computer and BCMSVU Server IP Address:

- Click on Start / Run / CMD
- At the DOS Prompt type : ipconfig /all | more
- This will return your Computer Name (Node-Name) and IP Address.
- For DSA and BCMSVU the IP Address should be static ( NOT DHCP).

#### 8 : change node-names ip

- add the node-name of the CLAN Board and IP Address
- add the node-name of the DSA Computer and IP Address
- add the node-name of the BCMSVU Server and IP Address

#### 9 : change ip-interface

- Enter the data required as shown .
- Verify the Subnet Mask and Gateway Address (as provided by LAN/WAN Administrator)

#### 10 : change ip-services

- Enter the data for the SAT as shown :
- Service Type : SAT
- Enabled : Y
- Port : 5023
- Local Node : CLAN
- Remote Node : DSA Computer Node-Name
- Remote Port : 0

#### 11 : Verify the status Link

#### 12 : Verify the Status of the data-module

#### 13 : Verify the status of the ip-board

#### 14 : Administer the DSA Application

#### 15 : Administer the BCMSVU Server Application



IP-SAT / BCMSVU on DEFINITY  
ECS R9r, ECS R9si, ProLogix R9csi  
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The following Tasks are required for activation  
**IP-SAT / BCMSVU Server**  
**On DEFINITY ECS R9csi (ProLogix), ECS R9si, ECS R9r**

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**change system-parameter maintenance** page 2 of 3

SPE OPTIONAL BOARDS

Packet Intf1? Y Packet Intf2? Y

\* Bus Bridge : 01A07

\* Inter-Board Link Timeslots Pt0 : 6 Pt1 : 1 Pt2 : 1

**NOTE: \* Only On DEFINITY R9csi (ProLogix).**

**Refer to Page 6 of 6**

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**List configuration all** or  
 List configuration Board <CLAN Bd Loc >

Bd #	BdType	Code	Vint	Assigned Ports
				u=unassigned t=tti p=p sa
1A07	CLAN	TN799B	000001	u u u u u u u u u u u u u u u u u

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**Add data-module 40000**

Data Extension : 40000

Type : Ethernet

Port : 01A0717

Link : 1

( Node) Name : CLAN

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**Display Port 1A0717**

PORT INFORMATION

Port : 1A0717

Equipment Type : Data Module

Identification : 40000

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**List configuration all** or  
 List configuration Board <1a07 >

Bd #	BdType	Code	Vint	Assigned Ports
				u=unassigned t=tti p=p sa
1A07	CLAN	TN799B	000001	u u u u u u u u u u u u u u u u 17

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**display communication-interface links**  
 INTERFACE LINKS

Link	Enable	Est Conn	Ext	Type	Dest Number	DTE DCE	Conn Mod	Name
1	Y	N	40000	Ethernet				CLAN
2								
:								
25								

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**Confirm DSA Computer and BCMSVU Server IP Address:**

- Click on Start / Run / CMD
- At the DOS Prompt type : ipconfig /all | more
- Note the following items:
  - Computer Name
  - IP-Address
- For DSA and BCMSVU the IP Address should be static ( NOT DHCP).

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**change node-names ip**

Name	IP Address
default	0 . 0 . 0 . 0
NJ7460JWYSOCKI	135.8.32.??
NJ7460HUGHJOHN	135.8.32.??
bcmsvuserver	192.168.0 .2
CLAN	192.168.0.3

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**change ip-interfaces**

Enable	Eth Pt	TYPE	SLOT	CODE	Sfx	Node Name	Subnet Mask	Gateway Address	Net Rgn
Y	C-LAN	01A07	TN799	B	CLAN	255.255.252.0	135.8.12.1	1	

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**change ip-services**

Service Type	Enabled	Local Node	Local Port	Remote Node	Remote Port
SAT	y	CLAN	5023	NJ7460JWYSOCKI	0
SAT	y	CLAN	5023	NJ7460HUGHJOHN	0
SAT	y	CLAN	5024	bcmsvuserver	0



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**Status Link 1**

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Link / Port Status  
 Link Number : 1  
 Link Status : Connected  
 Link Type : Ethernet  
 Link Name : CLAN  
 Service Port Location : 01A0717  
 Service Port Data Extension : 40000  
 Service State : in-service/idle  
 Node Name : CLAN  
 Source IP Address : 192.168.0.3  
 Subnet Mask : 255 . 255. 252. 0  
 Broadcast Address :  
 Physical Address :  
 Enabled ? Yes  
 Maintenance Busy ? no  
 Active Channels : 0

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Error Counters

Page 3 of 4

Processor Channel Status

Page 4 of 4

TCP / IP Applications Currently Active

Service Type	Sessions
Alarm1	0
Alarm2	0
CDR1	0
CDR2	0
DOLAN	0
PMS	0
PMS_JRNL	0
PMS_LOG	0
SAT	1
SAT_LSTN	0
SYS_PRNT	0

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**status data-module 40000**

DATA MODULE STATUS  
 Data Ext/Stn Ext for Stn DM :  
 Port / Channel Number : 01A0717  
 Service State : in-service / idle  
 Maintenance Busy ? no  
 CF Destination :  
 Connected Ports :

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**status ip-board 1a07**

IP STATUS  
 Reset Time :  
 Last Hour Start Time :      End Time :  
  
 Incoming Received :      Octets      Datagrams      Discards      Hdr Errors  
   Since Reset  
   Last Hour  
 Outgoing Transmitted:  
   Since Reset  
   Last Hour  
 Datagrams w/o Routes :  
   Since Reset  
   Last Hour



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**DEFINITY Site Administration**  
**System Properties - Switch**  
System Name : The Mick  
Default Emulator: 4410  
Login: Login manually to system  

Type	Dial/Host	Port	Serial Device
Network	xxx.xxx.xxx.xxx	5023	

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**DEFINITY Site Administration**  
**Connection Properties**  
(Check) Network Connection  
Host : xxx.xxx.xxx.xxx  
Port : 5023

NOTE :  
CLAN IP Address : xxx.xxx.xxx.xxx

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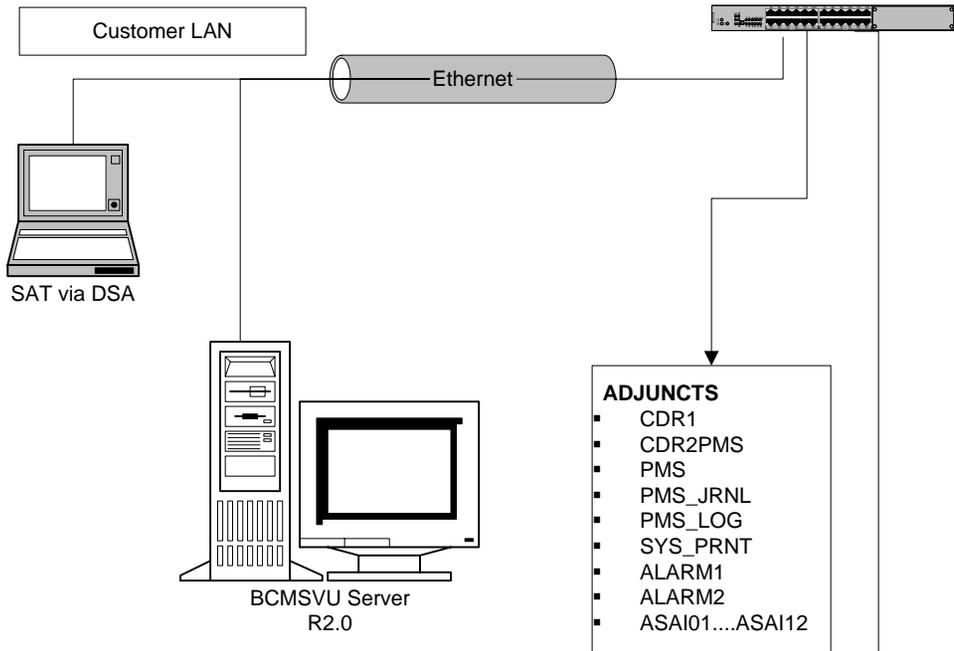
**BCMS VU R2 V2.0.0 Build 218**  
**Server Window : Options / Configure / Switch Connection**  
Configuration Wizard Page 1 of 3  
Login Name : bcmsvu  
Login Password : XXXXXXXX  
Configuration Wizard Page 2 of 3  
Mode Connection : TCP/ IP  
Host Name / IP Address : xxx.xxx.xxx.xxx  
Port : 5024  
Configuration Wizard Page 3 of 3  
Test Connection



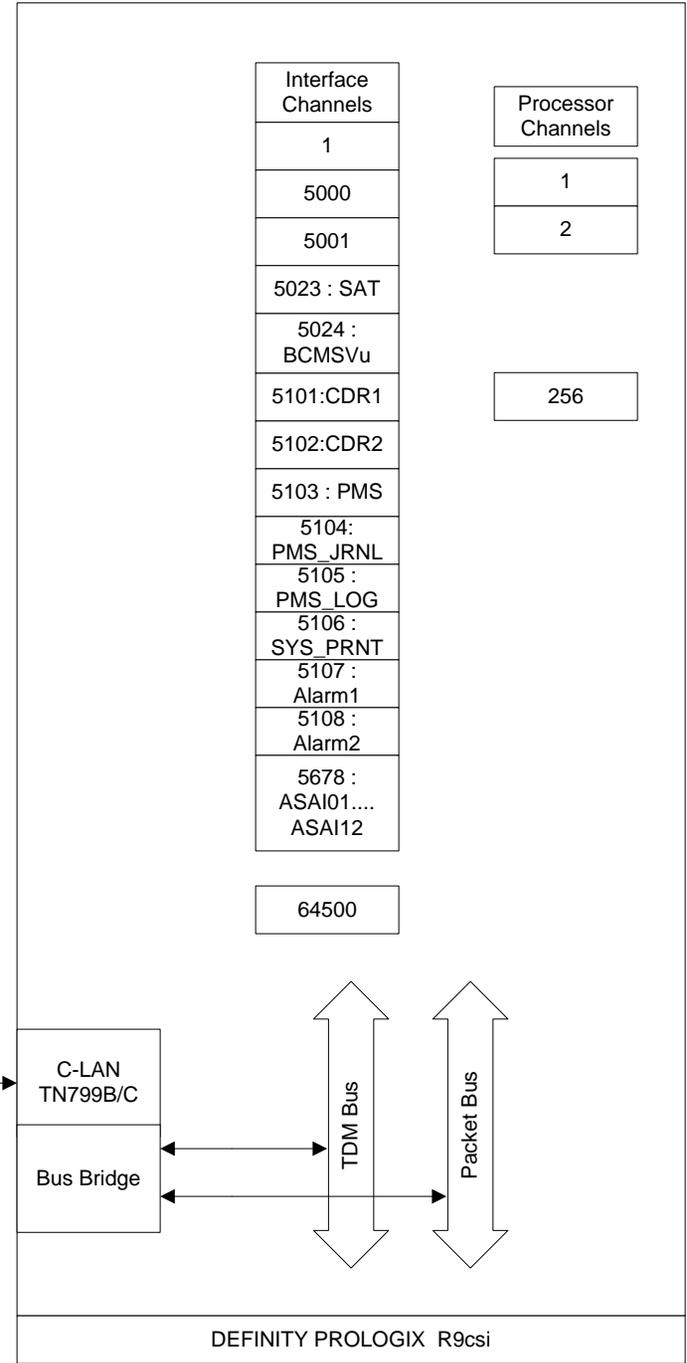
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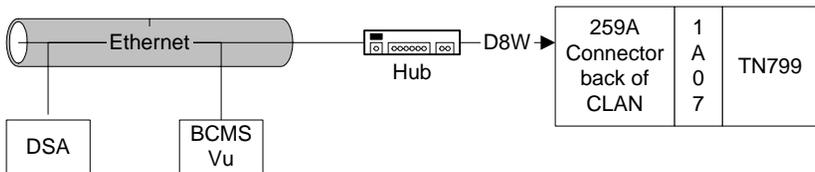
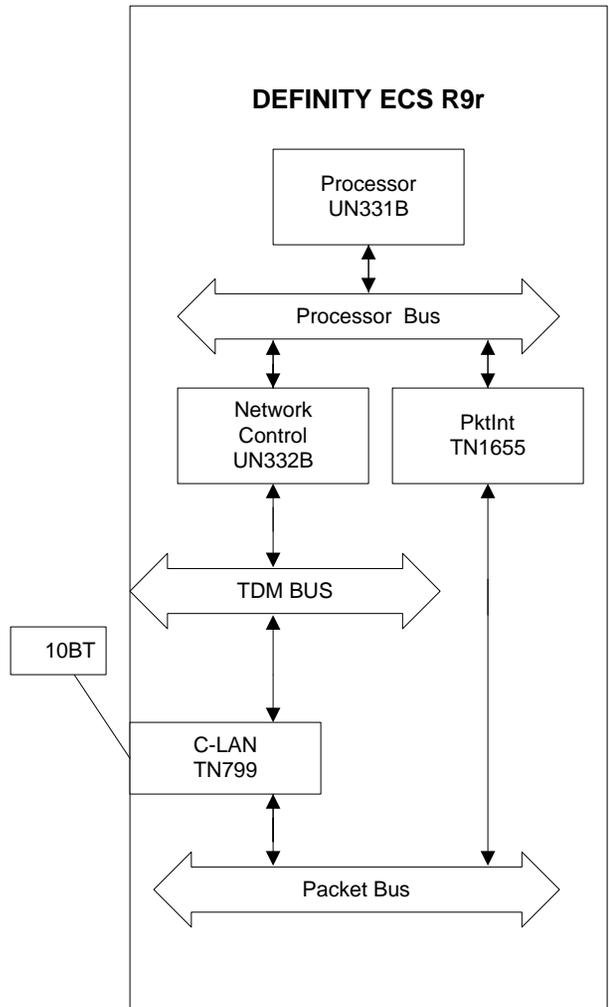
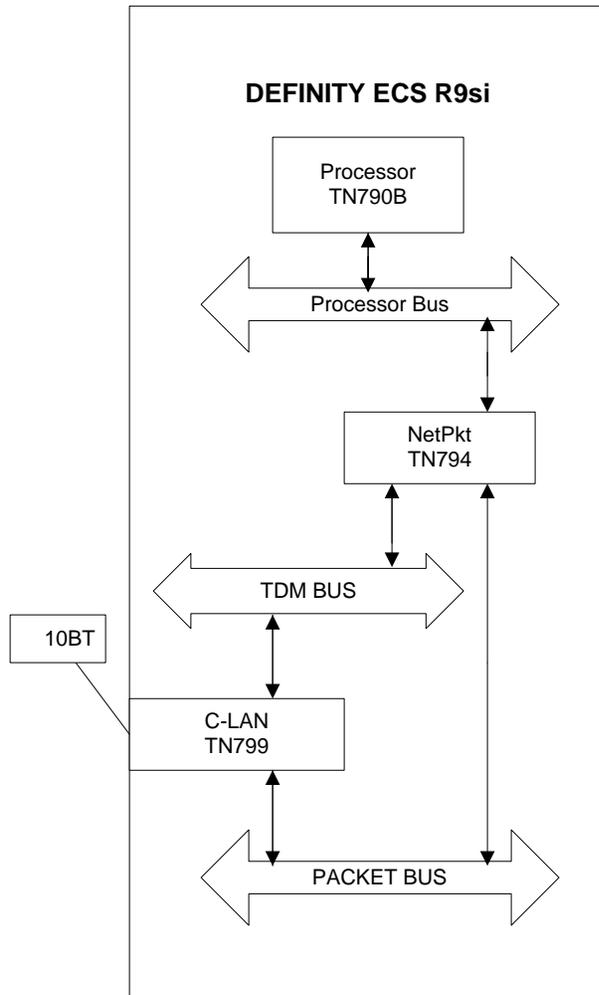
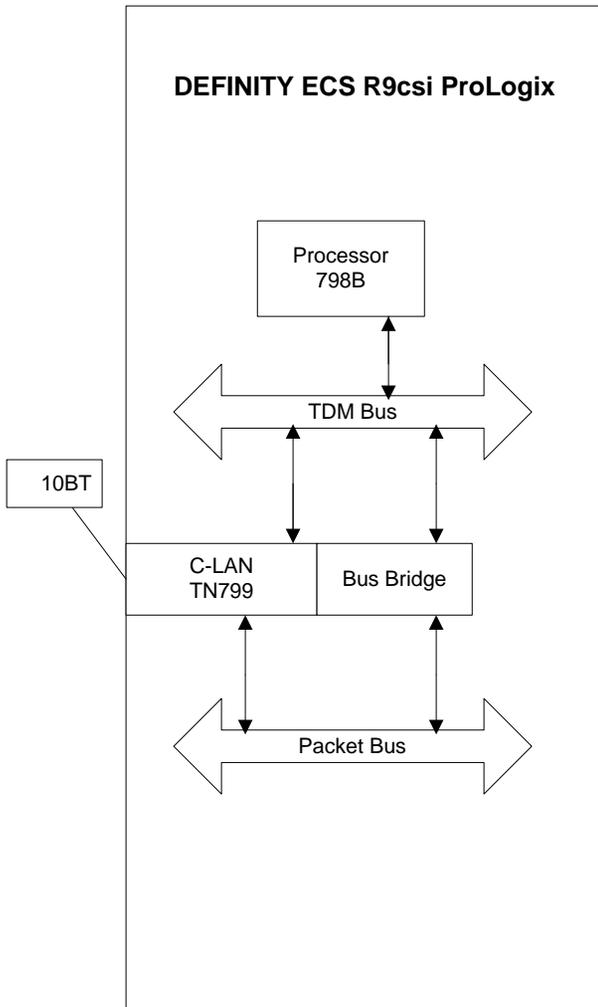
The following tasks need to be completed for Switch to BCMSVU Server.

- 1) Enable bus bridge connectivity
- 2) Assign Node Names
- 3) Assign IP Interface
- 4) Assign link (Add Data-Module Ext )
- 5) Assign IP Services



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