DEC WANcontroller 622

digital[™]

Problem Solving

Part Number: EK-A0550-PS.001

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DEC Network Integration Server Problem Solving

DECNIS Problem Solving Manuals



DEC Network Integration Server Problem Solving: outlines NCL commands for checking software problems.

DECNIS *Installation and Service Manual:* includes a problem solving section which outlines procedures for checking hardware problems.

Network Interface Card (NIC) *Problem Solving* cards: are supplied with each NIC. The cards outline procedures for checking possible problems with NICs, their cables, distribution panels and modems. Start problem solving with the flowchart.



DEC Network Integration Server Event Messages: this is an on-line text file. The file lists event messages that can indicate faults with hardware and software. The event message describes the meaning of each event and what action to take.

Note for X.21 leased line and BT Kilostream ®

There is no loopback test for X.21 leased line or BT Kilostream. If you are unable to solve your problem, contact Digital Services.

Loopback Connectors

Loopback Connector	Part Number	Component
50-way loopback connector (male)	DNSXT-CA	NIC
V.36/V.11, EIA-422 V.35	H3198 H3250	Adapter cable and extension cable

® Kilostream is a registered trademark of British Telecommunications, plc.

LKG-5721-911

NIC LED States

The LED display shows the state of the NIC when the module self-test or system self-test was last run: see the *Installation and Service Manual* for your DECNIS for more details.

∫ flash	Slow flash	Module self-test in progress.
flicker	Fast flicker	The NIC is either waiting to load or is load- ing software.
0 0 •	READY	The NIC has passed its module self-test and has successfully loaded the software.
• 0 0	HOTSWAP	The NIC is disabled. (The NIC switch is set down.)
0 • 0	FAULT	The NIC has failed its module self-test.
0 •	ATTENTION	The NIC is partly working. You can continue to use working port(s), but you must isolate and replace the faulty component as soon as possible.
		A flickering RUN LED indicates that the NIC software is waiting to load.

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C Check the Synchronous Cables

When no software is loaded, a faulty cable can be detected only by substituting with a new cable:

- 1. Replace a section of synchronous cable with a new cable.
- 2. Attempt to load the software.
- If loading is successful, you have solved the problem (the replaced cable is faulty).
 If loading is unsuccessful, the cable you tested was not faulty.
 Reconnect the cable.

Repeat the procedure until you have isolated the faulty cable. If you still cannot solve the problem, contact Digital Services.

Faulty Components	Action
NIC	Install a new NIC. Refer to the <i>Installation</i> and <i>Service Manual</i> for your DECNIS: DO NOT do this unless you are a service person.
Adapter cable Extension cable	Refer to the panel for attaching cables in the DEC WANcontroller 622 Cabling Information and Specifications card.
check the Installation perform any procedur	ty component does not solve the problem, and Service Manual for your DECNIS: do not res in the manual unless you are a service per- tion and Service Manual for your DECNIS).
son (see the installat	ion and Service Manual for your DECNIS).