DISCOVER

The DISCOVER command allows you to determine the largest MTU size permitted to a particular remote host.

Syntax: `DISCover` *host*

Arguments: *host* - Specifies the IP address of the target host. This may be an actual numeric address or a symbolic name that can be resolved to an IP address.

Example:

```
IPN237I discover 192.168.2.10
TCP910I  Test for MTU   576 succeeded
TCP910I  Test for MTU  1501 failed
TCP910I  Test for MTU  1038 succeeded
TCP910I  Test for MTU  1269 succeeded
TCP910I  Test for MTU  1385 succeeded
TCP910I  Test for MTU  1443 succeeded
TCP910I  Test for MTU  1472 succeeded
TCP910I  Test for MTU  1486 succeeded
TCP910I  Test for MTU  1493 succeeded
TCP910I  Test for MTU  1497 succeeded
TCP910I  Test for MTU  1499 succeeded
TCP910I  Test for MTU  1500 succeeded
TCP910I  Test for MTU  1501 failed
TCP910I  The best MTU discovered: 1500.
```

Notes:
- Each DISCOVER command issues multiple PINGs of varying lengths to determine the maximum available MTU size.
- If the path to the remote host changes, the MTU value may change.
- If the path to the remote host is not reliable (*e.g.*, if there is packet loss), DISCOVER may return a lower than optimal value. For this reason, it may be useful to repeat the command.

Related Commands:

DEFINE LINK	-	Create a link between TCP/IP and a network or to a directly-connected stack.
DEFINE ROUTE	-	Add an entry to the TCP/IP routing table.
PING	-	Issues an ICMP Echo (PING) request.
TRACERT	-	Displays each "hop" in a route along with the time required to reach it.