Page No. 2 TOPICI- CSMA/CA (Corrier Sen Se mul exple Access/collission Avoidance CSMA is a network-Proporcal Hal disten or frente network frignal on the mediam before and dransmiding an roughdata. Esmattie implemented in Etter net network with more than one Computer or network devices attacked the gate In CSMA/CA ones the channel is clear, a shation bend a signal Her Shatton not its itransmitte and other fends ill Packet & Por Othermake the Station Continuous to wait for a dime: and check to see is free the Shation frankmitte and wait for con- a know dodgement higher Hat the Packet was recieved, Collise avoidance is used to amprove the Performance of CSMA by alternating greedy on the channel- 91 the channel is sensed buly before bransmission iten the transmission is delay for a randon Interval. This reduce the brobability of coillison on Channel. (SMA consure that conty one h Rentalus 120

	metwork nodé is bransmitted on le retwork
	at any lone hime. It is to the
	The selfice of the Charge Charge
	TOPic: CSMA/CD (collision detection)
<u>=)</u>	It is a felot rule determining how netwo-
1	The devices respond when it wo devices allem-
	Det to use a data thannel scimultaneously-
4	standard etternate N/W use CSMN/CD
1 + B	to Physically me monitor the trafic on the
6.0	Line at a Participating Station, Collision
	delection is whed to emprove esma per-
e del	formance by terminating transmission as
inter of	Soon as a Callisian is detected and reducing
ge 1	the Probability of a second Collision of
	relay method toro Collision detection
41:	are dependent on the freeze milling media.
9/2	on an electrical but such as etternate
0	Etternæt Coddision Can be defected
4 +4	itramemitted data and recieved data.
~ ( )	It Hay defer It means that another
$j \in I$	Station has alto iransmitted a signal
	and is overlaying the first transmiters
tty	Signal Habits a Collèsion has occure.
to d	The incommission is berminated Imidiate.
	It and an a Jam Signal i's fend.
37, - 30	The sam Signal will cause all trams
10.00	drantmiller to back off by rand on

Interrially reducing the Probability
of a Colloision when the first
retry is attempted.
1001-11 det 2001 - 0-1 - 1-1/20 -1-1/2000
como Topic in F. Hermelling Intil In a Life Com
= Ethernet is the most Popular network
architecture for LAN. Etternet was original
developed by Texax in the 1970 and was
Proposed a Standard by Zerox, digital
Equipment Corporation and intel in 1980
17 Seperate Standardization onces for etter
net dechnology was established in 1983
by the TEFE Candlikite of electrical and
electronics engineers. A By Stem for Comm
Control of Mamber Of Compatible
Ha Rally a Bally a Bally with Protocate to Control
the Palsing of Information and the avoide
Simultaneous transmission by the or more systems. Etternet is a Linkellayer Protocol
in the TCP/IP describing how network
devices can format data for transmi
Stion to other network derices on the
Same nekwork Segments and how to
Port & that data out on the network
Connection et is available in 3
différente speed - allande in 3
1) 10 MbPs which is Simply Called etternet.
Laura Chernel.