

MEMORANDUM

To: IMP Guys
From: John McQuillan
Subject: Bernie's Note on Checksums

Date: March 15, 1973

IG# 17

The suggestion made by Bernie in IG# 16, to use checksumming to catch intra-IMP failures as well as inter-IMP failures, was also made in my note IG# 15. He does point correctly out that if intra-IMP checking is not desired, then only half as much work needs to be done, provided IMP-to-Host and Host-to-IMP have checksumming code. However, it was always my intention to see the inter-IMP checksum extended to an end-to-end checksum in the coming weeks. With this extension, one may add intra-IMP checking. I did not do this at once due to time pressures, but I feel it should be done soon. It will give us both better protection and better fault isolation.