

EXECUTIVE SUMMARY

- a. The purpose of the SIGNET Internetwork Architecture Peer Review Document is to provide an opportunity for peer EAITC groups to comment on the current view of the SIGNET Internetwork Architecture.
- b. The information contained herein is applicable to the local and wide area network communications aspects of SIGNET, also known as the internetwork component of SIGNET (refer to Figure 1.1). The SIGNET Internetwork provides the facilities that enable SIGNET end-systems (PCs, file and application servers, and corporate systems host computers) to communicate locally or around the world. The SIGNET Internetwork also provides communications services to external computing facilities (other government departments, information services, etc.) as required and appropriate. Within EAITC sites, the internetwork communications will be provided via 'Ethernet' Local Area Networks (LANs); between EAITC sites, the internetwork communications will be provided via MITNET. The reader is referred to Appendix 3 for a pictorial overview of the SIGNET architecture.
- c. The SIGNET Internetwork is premised upon a suite of international standards selected from Treasury Board of Canada Information Technology Standards (TBITS - ISO Standards), International Telecommunications Standards (CCITT), Institute of Electrical and Electronics Engineers (IEEE), and the Internet Activities Board (IAB). The SIGNET Internetwork is being positioned to enable evolution to a homogeneous TBITS environment in conjunction with the international standards community, the Treasury Board, and positive experience within the international networking community.
- d. To enable finalizing the SIGNET Internetwork design, MITNET personnel, the SIGNET Platform team, and EAITC application developers are requested to perform a review of this document and provide corrections to assumptions or estimates, important information which is possibly overlooked, or an indication that the Internetwork Architecture design is judged to be on track.