
MEMORANDUM

TO: Chairs of the EBB Internet Implementation Task Force - Carl Caldwell, Mike Novak, Tammy Hopkins, Dona Gussow, Paul Keeler

FROM: Susan Croley, Chair of the Future Technology Task Force

SUBJECT: **REPORT ON RECOMMENDATIONS TO THE EBB INTERNET IMPLEMENTATION TASK FORCE**

DATE: October 13, 1998

CC: Rae McQuade, Mike Bray, Jerry Hahn

Covered in the attached document, are the principle, standard, and implementation guidelines recommended to the EBB Internet Implementation Task Force (EII) by the Future Technology Task Force (FTTF) on client firewall administration issues for GISB standard EDM. FTTF will present a brief report on their recommendations to EII at the October 16, 1998 meeting in Houston, Texas.

**Recommendations from the Future Technology Task Force
to the EBB Internet Implementation Task Force
on
Client Firewall Requirements for Service Provider EDM Implementations**

Principle:

Transportation Service Provider EDM* implementations should minimize the number of ports required to be opened on the client-side firewall.

*All GISB standard Internet communications

Standard:

TSPs should be limited to the GISB approved list of available TCP ports for EDM* implementations included in the appendix in the Electronic Delivery Mechanism Related Standards manual under Client Firewall Requirements for Service Provider EDM Implementations.

*All GISB standard Internet communications

To be placed in the Electronic Delivery Mechanism Related Standards manual as implementation guidelines:

Client Firewall Requirements for Service Provider EDM Implementations

FTTF recommendations include the potential modifications needed in the client-side firewall to allow for communications with the various service providers' EDM* implementations.

The following is a list of allowable TCP ports available for use by a Service Provider. Upon request, the TSP should indicate to their trading partners which specific ports they will require to be opened to conduct electronic communication.

Allowable TCP Ports (not UDP ports):

HTTP	80, 5713, 6112, 6304, 8674, 7403
SSL	443
ICA	1494
RMI(Java)	1099-1100
Java Telnet	31415
TCP Optional	8001-8020**

There are other technologies available that will require additional ports to be opened, such as FTP, Telnet, and SMTP. If and when GISB approves such technologies, FTTF will modify this list of allowable ports accordingly.

The client-side firewall implementation and client browser settings should permit the downloading and installation of GISB approved plug-ins and modules. Please refer to the GISB defined Minimum Technical Characteristics for Accessing Customer Activities Web Sites for the listing of plug-ins and modules.

These guidelines will be reviewed and updated by the Future Technology Task Force, at a minimum, by the spring of each year and presented to the GISB Executive Committee for adoption by the June meeting of that group.

*All GISB standard Internet communications

**The reservation of 20 optional ports was to provide room for implementations such as DCE, IIOP, and load balancing implementations. TSPs should endeavor to minimize the usage of these ports.

End of new entry to the implementation guidelines.

The motion to recommend the principle, standard and entry in the EDM Related Standards manual passed unanimously with 16 votes.