AMEX Access Network

Service Offerings

PREPARED BY:

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1.0 Purpose

This document provides an overview of the services that are offered via the AMEX Access Network (AAN).

2.0 Services Offered

The following is a summary of services currently available through the AAN.

Intra-Day Comparison for Equities (IDCE)

Contact: Ed Cook (212) 306-1748 ecook@amex.com

IDCE is an application that provides comparison information on equity trades. One method that back office and trading floor personnel can use to access this system is through a web browser on a PC.

For further information, please consult the IDCE user guide.

Market Data Distribution External (MDDX)

Contact: Chris Masciale (212) 306-1615 cmasciale@amex.com

MDDX is an upgrade of the QUACS system based upon publish/subscribe technology that enables external "upstairs" firms to access their option Position, Book, and Quote data from the floor. In the near future, MDDX will be expanded for equities (including Exchange Traded Funds) and allow publish/subscribe capabilities to user settings like volatilities on individual XTOPS.

For further information, please consult the MDDX user guide.

MDDX may also be used for Specialist Proprietary Quoting.

3.0 Bandwidth Guidelines by Application

AAN has been designed to allow multiple services to share the same physical connection. Provided there is enough bandwidth available and the business requirements warrant it, customers can run multiple AMEX services over a single set of physical circuits. The following table identifies the AMEX business services and their respective bandwidth estimates to assist in sizing the customer's connection capacity for the enrolled services.

Bandwidth Guidelines (see Note 1)	
AMEX Services	**Bandwidth**
IDCE	56 Kbps per user (see Note 2)
MDDX	250 bytes per message (see Note 3)

Note 1: Prior to ordering connectivity it is **STRONGLY RECOMMENDED** that the customer first determines the total bandwidth required to support all the anticipated AMEX services that will be requested. Using the table above as a guide, identify the desired services and the associated bandwidth demands. Calculate the total aggregate bandwidth required by summing up the bandwidth requirements of each of the individual services desired.

Note 2: To obtain the total bandwidth in Kbps for this service, multiply the number of users that will be receiving the service by the bandwidth requirement per user.

Note 3: To obtain the total bandwidth in Kbps for this service, multiply the expected message rate in messages per second by the message size. Then multiply the result by 0.008.

4.0 Planned Future Services

Coming Soon Q2 2003

- Please check regularly as more services will be offered in the near future.