VISIONMAX (PRIVATE) LIMITED
Software Solutions Provider

PRODUCT COMPLIANCE CERTIFICATE

The Solutio

Product	**VTRADE (Online Trading System)**
Vendor/Provider	**VISIONMAX (PRIVATE) LIMITED**
Customer	**RAFI SECURITIES (PRIVATE) LIMITED**

Description

The main objective of this software is to provide online trading platform to the clients of TREC Holders of PSX over the Internet as well as local area network with proper Risk Management.

This online trading software is used for trading in PSX and fully compliance with Information Security Policy of PSX and Internet Trading Guideline issued by **SECP**.

The software is routing each and every client's requests to PSX trading engine through the FIX Protocol provided by PSX and doesn't allow any in-house Cross Trade Matching..

System Architecture

The system comprises of the following Programming objects:

Server / Client based architecture.
Socked base Connectivity.
Secured encrypted communication.
Framework - Microsoft .NET

Built-in Security Features:

The following security features are built-in in accordance with Clause 4 of Internet Trading Guidelines:

Separate BackOffice for Client Management (User ID, Password, Pin code etc.).
Separate View Only and Trading Clients Profiles.
Encryption/Decryption.
Complete Logs Management.

Operational Capicity:

The System is capable to handle 250 concurrent users / connections per interface / server.

Encryption:

AES 256 bit encryption is used. AES is based on the Rijndael cipher developed by two Belgian cryptographers, Joan Daemen and Vincent Rijmen, Rijndael is a family of ciphers with different key and block sizes. AES was designed to be efficient in both hardware and software, and supports a block length of 128 bits and key lengths of 128, 192, and 256 bits.

Chief Technical Officer
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