# **Future Capabilities of FIX**

Martin Koopman Former Chair FIX Protocol Ltd Americas Committee martinkoopman@gmail.com











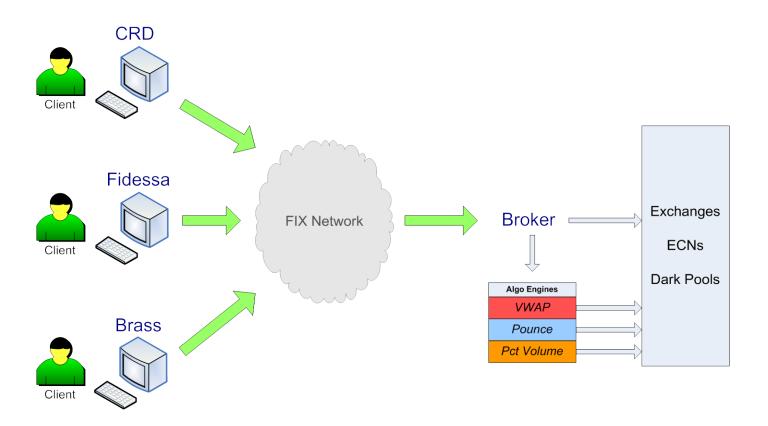
# FIX Algorithmic Trading Definition Gives The Buy Side

- Enables new broker algorithms to be used quicker by the buy side
- Reduces the cost for order management system (OMS) vendors to include new algorithms in their systems
- Will give the buy side a larger choice of algorithms from a wider set of brokers



# **Algorithmic Order Flow**

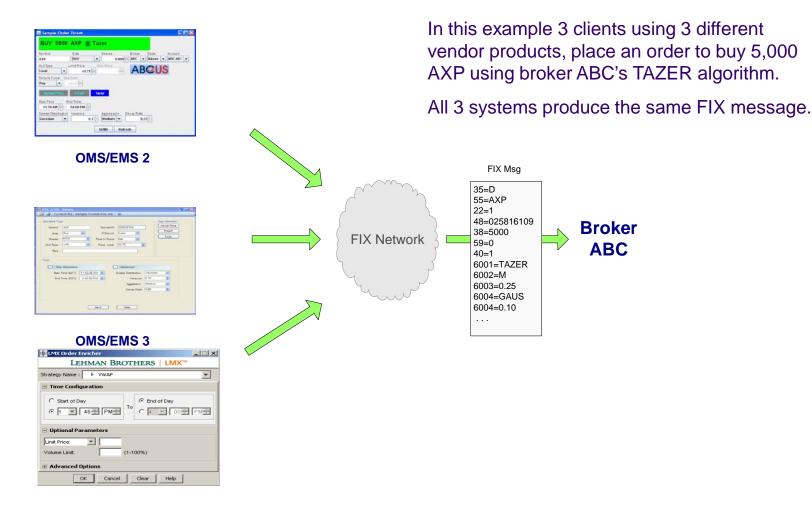
#### Clients send algorithmic orders to their brokers via an OMS





# To Deploy a New Algorithm Today, Brokers Depend on OMS Vendors to Build New Screens

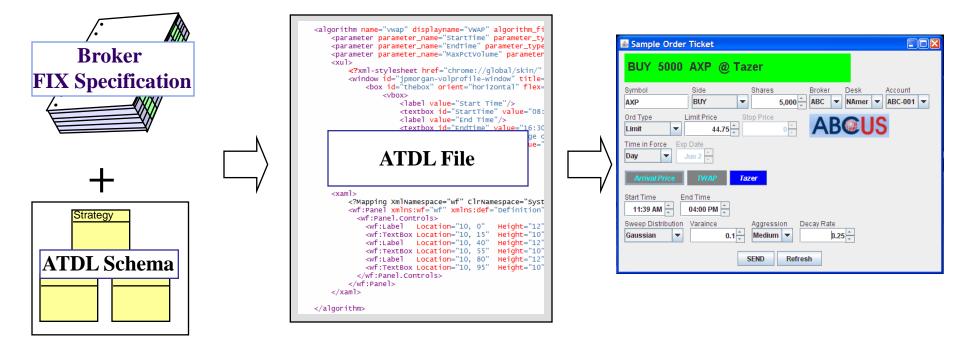
#### **OMS/EMS 1**





## **FIX<sub>ATDL</sub> Is A New Protocol Used to Define the Inputs & Screen for an Algorithmic Order**





Broker creates an XML file describing its algorithms, parameters, FIX tag mappings, validation rules, and how the algorithms should be rendered in any 3rd party application

OMS vendors parse these XML files & render them in their application eliminating the need for custom programming



### **Sample Order Screen**

📓 Sample Order Ticket	×
BUY 5000 AXP @ Tazer	
SymbolSideSharesBrokerDeskAccountAXPBUY5,000 +ABCNAmerABC-001	
Ord Type Limit Price Stop Price   Limit 44.75 0	
Time in Force Exp Date   Day Image: Date	
Arrival Price TWAP Tazer	
Start Time End Time 11:39 AM + 04:00 PM +	
Sweep Distribution Varaince Aggression Decay Rate   Gaussian Image: Constraint of the system Medium Image: Constraint of the system	
SEND Refresh	

