



SUNGARD

ASSET ARENA COMPLIANCE

Pre-Trade,
Post-Trade
and End-of-Day
Compliance

THE NEW COMPLIANCE IMPERATIVE

Portfolio managers and compliance officers are witnessing a perfect storm in the investment industry that is intensifying the need for better, faster and more sophisticated compliance support.

- Increased regulatory scrutiny has resulted in a staggering volume of information to track and analyze.
- Rising complexity in asset types, product structures and investment strategies has placed even greater strain on compliance operations to keep pace.
- The ongoing need for trading speed poses a costly problem for firms whose compliance processes are too slow to react.



With Asset Arena Compliance, you can seize control of this new, more demanding compliance environment with a fast, flexible and feature-rich solution that meets your pre-trade, post-trade and end-of-day compliance needs through a single integrated application.

Instead of operating multiple compliance platforms, Asset Arena Compliance offers a single solution that can address both real-time response and high-volume

data transfer needs. This highly agile solution will also help tame the growing volume of compliance data, adapt to a widening range of intricate rules, and minimise any compliance-related latency issues associated with trade order management.

BETTER COMMAND OF COMPLEX REQUIREMENTS

Investment professionals and compliance officers face a daunting set of challenging business requirements. Coping with increasingly complex investment strategies and financial instruments such as derivatives are only part of the challenge. The growing labyrinth of regulations across all global markets makes your job even more difficult.

Extensive core library.

Asset Arena Compliance arms you with a pre-installed set of rules that includes typical prospectus guidelines, client directions and internal management restrictions or asset allocation strategies. Also included are country specific regulatory rules for the mutual fund industry covering major financial centers around the world.

ASSET ARENA COMPLIANCE OFFERS A SINGLE SOLUTION THAT CAN ADDRESS BOTH REAL-TIME RESPONSE AND HIGH-VOLUME DATA TRANSFER NEEDS

Write your own rules.

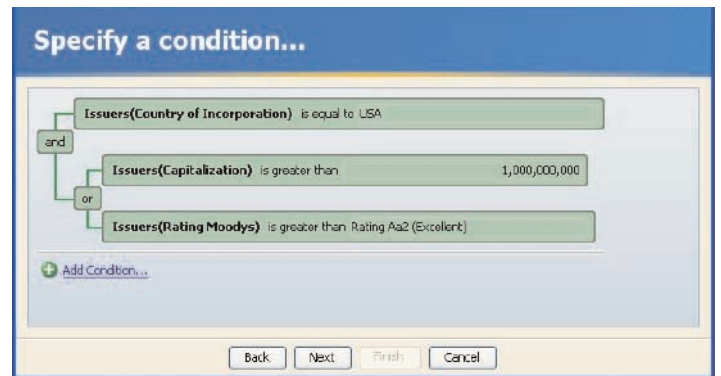
For more complex requirements, the system's rule wizard assistant lets you modify and add to your library, creating virtually any rules you require and entering them into the comprehensive data warehouse. You can establish both absolute (no trades with X broker) and calculated rules (no more than 5% of X issuer). And when you add new portfolios and securities into an existing hierarchy, your rules can be automatically applied - there's no need for manual updates.

Real-time monitoring.

Asset Arena monitors all your trades and ensures that compliance rules are adhered to before and after trades are executed. As trades are entered into your trading system, Asset Arena Compliance checks them against regulatory, client-directed and internal management restrictions and guidelines. Where necessary, it alerts the portfolio manager and compliance officer of any conflicts on a pre-trade, post-trade or end-of-day basis. The result: you avoid possible losses from restricted trades and ensure complete control for both your clients and regulatory bodies.

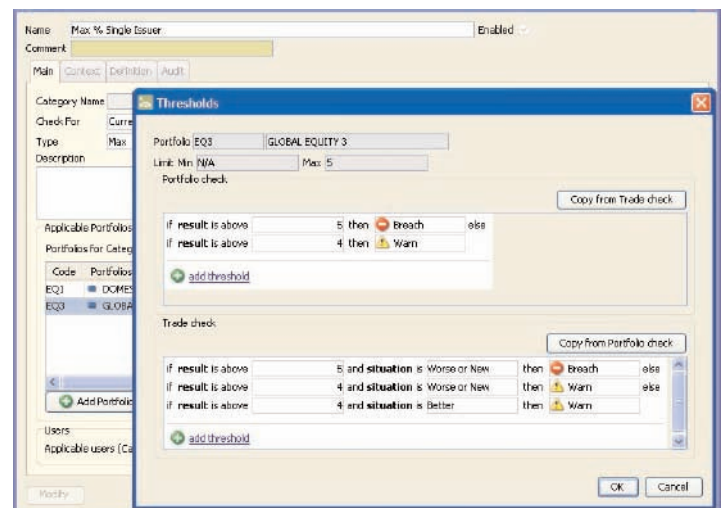
Powerful, yet flexible control.

Asset Arena's rule-based calculation engine puts you in control over a variety of compliance situations, from a simple scenario such as "no investments in tobacco companies," to the most complex involving hedging and market risk exposure limits. The system can deliver 'soft warnings' of some rules restrictions and 'hard blocks' of others - and lets you designate certain blocks that can be overridden by authorised users. An audit trail is always maintained in Asset Arena Compliance that lets you monitor and review trading activity when rule violations occur.



Asset Arena Compliance lets you modify and add to your library, creating virtually any rules you require and entering them into the comprehensive data warehouse.

ASSET ARENA'S COMPLIANCE SERVER IS DESIGNED TO SUPPORT LARGE COLLECTIONS OF DATA, WHILE OFFERING EFFICIENT DATA MANAGEMENT AND EASY ACCESS.



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SCALABLE ANSWER TO SURGING VOLUME

Every investment firm is faced with growing volumes of data to support all phases of the portfolio management process, including compliance. Many firms are saddled with managing and maintaining hundreds of compliance rules. Industry consultants are predicting that Reg NMS and MiFID will trigger a new flood of data throughout the industry.

High capacity server. Flexible data structure.

To help you meet this burgeoning information challenge, Asset Arena's compliance server is designed to support large collections of data, while offering efficient data management and easy access. So when you need to deliver reports to clients or auditors, workflow management features built into Asset Arena Compliance provides quick access to all the data related to each breach of a compliance rule. You're able to not only trace violations, but also create a record of the violation for future reference.

Centralised compliance benefits.

If you're running multiple operations platforms, you know the cumbersome tasks associated with collecting and analyzing the raw data components needed to create new compliance rules.



Asset Arena simplifies this process by helping you centralise and integrate the compliance function to ensure that all compliance rules will work using the same common definition of data. This is especially critical as investment firms increase their use of multi-asset class strategies.

Easy integration with other systems.

Asset Arena Compliance is part of a family of solutions that benefits from SunGard's service-oriented architecture (SOA), called Common Services Architecture (CSA), which promotes collaborative development across product groups and facilitates product integration through the use of common technology standards. As a result, Asset Arena Compliance offers easy integration with investment accounting, trading and portfolio management applications within the Asset Arena family of solutions, as well as with other third party systems, too.

Check #	Date / Name	Type	Trend	Days	Name	Type	Limit	Result	Level	Code	Description
1175	USD Apr 29, 2008 9:12	O Max % AA rated Bonds				Max	10	0.05	Portfolio	EQ3	GLOBAL EQUITY 3
		I Max % Cash				Max	50	59.33	Portfolio	EQ3	GLOBAL EQUITY 3
		I Max % Equities				Max	10	17.23	Portfolio	EQ3	GLOBAL EQUITY 3
		I Max % Single Issuer				Max	5	9.10	Issuer	GI000000	Essex
		O Max % Single Issuer				Max	5	8.50	Issuer	GI762921	Nitrocell
		O Max % Single Issuer				Max	5	7.94	Issuer	GI051910	Espron
		I Max % Single Issuer				Max	5	5.62	Issuer	GI000020	RiATVio
		I Max % Single Issuer				Max	5	5.37	Issuer	GI000078	IBM
		O Max % Single Issuer				Max	5	1.64	Issuer	GI661116	HBBChgs
		O Max % Single Issuer				Max	5	1.31	Issuer	GI000001	IBM

Sum	Result	Security	Security Name	Class	Hdg	Quantity	Price	C.r.	MV (Local)	MV (Base)	Custodian
Total	11,430,074.00										
		VM09441000000002 IBM	IBM	PCD	PROFPR	32,000.00	90.71 USD		2,902,720.00	2,902,720.00	€ 55
		VM09441010004 IBM	IBM	PCD	PROFPR	30,000.00	102.00 EUR		3,060,000.00	3,060,000.00	€ 55
		VM09441010004 IBM	IBM	PCD	PROFPR	290.00	10.00 EUR		2,900.00	2,900.00	€ 55
		VM09441010004 IBM	IBM	PCD	PROFPR	40,000.00	102.00 EUR		4,080,000.00	4,080,000.00	€ 55
		VM09441000000 IBM DR	IBM DR	PCD	PROFPR	25,000.00	0.00 EUR		1,650,000.00	1,650,000.00	€ 55

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INVESTMENT SERVICING SOLUTIONS

Asset Arena Compliance is part of a global suite of solutions that meets the investment servicing needs of asset managers, third-party administrators, insurers and pension fund managers.

Asset Arena brings together SunGard's existing, proven solutions under a common framework by leveraging collaboration technologies such as SunGard Common Services Architecture (CSA) and business process modeling, SunGard Infinity. The result is a scalable platform, which combines power and agility. Speed and accuracy. Flexibility and risk mitigation. All while covering the spectrum of investment servicing operations. More than €13 trillion/\$18 trillion in assets are managed on Asset Arena's suite of investment servicing solutions.

WHEN FAST ISN'T GOOD ENOUGH

According to major brokerage firms, split second advantages in trade decision-making and execution can add up to a million dollars in best execution pricing over the course of a year. So no matter how advanced your trading system is, you're still only as fast as your slowest link. And if pre-trade compliance checks are slowing you down, it's time for a speedier solution.

Asset Arena's memory server and three-tier multi-threaded architecture offer instant data retrieval with no database access time to factor in. In addition, with the clustering of application servers, the system is designed to deliver peak performance through network load balancing and real-time fail-over. This translates to rapid response times, even for complex compliance checks across block orders for hundreds of portfolios.

EXPERT HELP

Asset Arena Professional Services is available to assist you with a wide range of implementation offerings. Plus provide buy-side compliance consulting expertise to help you define customised rule requirements as you expand your rules library. In addition, our professional services experts can help you anticipate how regulations will evolve and develop new rules that quickly adapt to regulatory changes.

ASSET ARENA'S MEMORY SERVER AND THREE-TIER MULTI-THREADED ARCHITECTURE OFFER INSTANT DATA RETRIEVAL WITH NO DATABASE ACCESS TIME TO FACTOR IN.



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