Last Update Date**:**

System Name: **NYARCD5\_2** “Direct” exchange interface clearing GSEC

**Support Contacts:**

ARCA FIX Hotline: [fix@arcaex.com](mailto:fix@arcaex.com) 1-888-689-7739 (option #1)

ARCA Orders: Trade Desk 1-888-513-9873

Rom Development: Josh Garrett (312) 244-5318

ROM Development: Parnell Flynn (312) 244-5317

ROM Development: Joe Loescher (312) 244-5586

**Business Function:** Stock Execution for both OTC/Nasdaq and Listed/NYSE (clearing FOC/GSEC).

**Process name:** C:\OrderManager\NYARCD5\_2\ArcaDirect.exe

# Configuration File(s): C:\OrderManager\Arcadirect\ : rom.conf arcadirect.conf

# Primary Server: PDRT-MAH-ROM01

# Interface: ARCA Direct

# UserName: DART5

# GroupID: DARTS (ETPID for clearing GSEC)

# Connectivity: 63.211.69.145 ArcaDirect Co-Lo

# Port: 52205

# Standard startup and shutdown procedures and parameters

* The process is started in the Win2003 environment with the local scheduler.
* Standard Start Time: **7:19 CST,** Standard End Time: **5:15pm CST**
* Connects to ROM engine (OrderManagerCan.exe) onserver: PDRT-MAH-ROM01 and Interface: Port 9152
* Sybase connectivity to LTC\_USROM1\_1 using the “rom\_user” userID, “resu\_mor” password.
* **Auto reboot** of both the primary and backup servers is scheduled for every weekday (Monday – Friday) at 1:00am CST

# Special Restart/Recovery Procedures and Override parameters

***If ArcaDirect.exe goes down:***

- Restart the process, C:\OrderManager\ArcaDirect\ArcaDirect.exe

- Note: make sure you are never running two copies of this process

- This process has the ability to simple be re-started and should continue were it left off by reading the memory map file C:\OrderManager\ArcaDirect\arcadirect.db. In the event this memory map is corrupt, delete or rename the arcadirect.db file, this will force a reload from the database.

**If ArcaDirect.exe is up but we cannot connect to the Arca Direct order execution system (NYARCD5\_2 orders are being rejected):**

- Check the physical connection by trying to ping the server IP address = 63.211.69.145 (The up to date IP address is always stored in the c:\ordermanager\ArcaDirect.dat file)

- You can also try to telnet to IP =63.211.69.145 and port = 52205

- If you still have trouble connecting contact the ARCA Technical Hotline.

***If we are having trouble with NYARCD5\_2 traffic due to a mid-day sequence reset:***

- Block the NYARCD5\_2 destination in the ROM Engine (left mouse click – it will turn blue when blocked).

- Confirm the state of all live orders on the exchange, remember our UserName = **DART5**.

-Delete the outgoing\_seq.db file and restart the arcadirect process.

- Un-block the NYARCD5\_2 destination in the Ronin Order Manager Engine.

- Note: NYARCD5 also support a client order ID. In the event this order ID gets corrupt, please contact Ronin Level II support. We will need to contact ARCA to resolve this incident.

- Please contact Level II (developer) support in the event you need additional assistance.

**Application log files generated for helping in trouble shooting:**

At the application level the following log file is generated. The Traffic file contains the most comprehensive set of messages/data.

C:\OrderManager\ArcaDirectLogyyyymmdd.hhmmss.log (all traffic between ROM engine and Arca system)

**Special requirements:**

Supported / Certified order types and TIFs:

* Sell
* Buy
* Sell Short
* Sell Short Exempt
* Market - only available during the day trading session (8:30am CT – 3:00pm CT)
* Limit
* IOC (Immediate or Cancel)
* Day orders are sent with flags set so they are working in the pre-open and post-close markets as well. The system will cancel them at 5:00pm CT.

Executions Report messages support the following Liquidity Flags:

* A – add liquidity
* R – removed liquidity
* X – routed
* O – opening auction

**Special Note**: Archipelago needs to be notified when we activate new traders on the NYARCD5 FIX session. They need to know the Trader Acronym (Fix Tag 115) and the generic u-code we set up for this Arca drop over to Redi (u782437). If this is not done, then ARCA will reject the order because it does not have a mapping set up for their drop copy process to GSEC/FOC. We do not have to FTP an end of day file to GSEC because ARCA has a real time drop copy process that sends them the executions. Samples below

8R1 u782437

NGT u782437

8KG u782437

On the GSEC side send email to Ron Wright ([Ron.Wright@gs.com](mailto:Ron.Wright@gs.com)) & Marie Mikell ([Marie.Mikell@gs.com](mailto:Marie.Mikell@gs.com)) and Michelle Pietras ([MPietras@nyse.com](mailto:MPietras@nyse.com)), [clientservices@nyse.com](mailto:clientservices@nyse.com) , and [fix@arcaex.com](mailto:fix@arcaex.com) on Arca’s side. Specify the request to set up an Arca drop over to the Redi/GSEC system, actual ARCA session, trader’s account, and uCode above.

Final Note: This interface supports orders going to the ARCA destination via a proprietary “Direct” interface. Due to our current ARCA FIX interface for GSEC using the “NYARCD5\_2” label, we have decided to use the “NYARCD5\_2” label to identify the ARCA Direct interface clearing GSEC. The ARCA Direct (NYARCD5\_2) interface supports a limited set of functionality; if a trader wants full functionality they should use the ARCA FIX (NYARCA5) interface.