Speedwell Weather

Speedwell Weather System



SWS Back Office-Process Flow



- 1) Flow of the weather trade-notification of each stage
- 2) Generation of Confirmations and Invoices
- 3) Payment Reports
- 4) Settlement Reports
- 5) Exporting Reports to Excel®
- 6) Trade Query
- 7) Segregation of duties User Permissioning
- 9) Static Data Maintenance
- 10) Weather risk Portfolio Setup





3



The Flow of a Weather Trade



Flow of a Weather Trade: Booking



A trader books a Transaction in SWS

SWS immediately:

Locks up for editing/deleting the Weather Derivative

Sends an internal message to SWS desktops

□ Makes available the Transaction in the Back Office

Integrates the Transaction in P&L, VaR, Credit Reports, etc

♦

Only a person with Back Office privileges can: □Edit the Transaction (e.g. *Premium/Transaction Date*)

□Mark the Transaction as deleted (*the Transaction is never physically deleted from the DB*)

Record statuses

□Record payments

Settle the Transaction

Remove the Transaction from the assigned portfolio



Flow of a Weather Trade: Stages

• SWS offers the following standard stages through which a Transaction is processed:

📑 Trade Lif	Trade Life Cycle Status List										
1											
IDStatus	Position	Status Name	ls Visible	Payment Occurring	Is Status For Transaction Part						
0	0	Contract is sent	✓								
1	1	Contract is signed	✓								
2	2	Premium is exchanged	✓	✓	✓						
5	3	Broker's fees are paid	✓	✓							
3	4	Settlement is paid	✓	✓	✓						
4	5	Post Settlement is paid	✓	✓	✓						
•											

- Additional stages can be added if desired (e.g. "Traders have signed off the deal")
- Additional stages can be added by a user with Back Office permissions



- When going through the initial stages (Contract is sent, Contract is signed, etc) of the Transaction the Transaction Life Cycle Management screen can be used
- When settling trades, it is possible to either process:
 - each Transaction individually
 - => Using the Transaction Life Cycle Management screen
 - the Transactions in batches
 - Using the Settlement Processing screen



Flow of a Weather Trade: Transaction Life Cycle Management

py to Working Portfolio		•	Move to Portfolio	Demo	•								
a column header here	e to group by that column												
ID ID saction T Optic	on 👻 Strip Type	▼ Weat	er Reference	• To	wn	△ <mark>▼</mark> Type of Option	▼ Strike ▼	Tick 🔻 (Cap (Tick) - Trad	er 🔻 Buj	yer	▼ Seller	•
1	7 Single	Temperature Ave		Atlanta-Hartsfield Inte	ernational Airport - C	ME Call (NO cap)	1350	20	Trial	Swiss Re		CME	
Part Premi Cashf	ium Period flow Start	Period Settlement End Date	Settlement Settle Index Pay	ment Post Settlement off Date	Post Settlement Index	Post Settlement Payoff	Premium Exchanged	Settlement Paid	Settlement				
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ed trade(s)												Latest: 6/1/201	11
▶ 肿 肿 ★ 味 マ Remarks	•												•
8 8	×												
otion 🗠 Opti Call	ion Type Weat (NO cap) Temp	er Varia Strike rature Ave	Tick 350 20.00	Cap Trigger 65	Town Atlanta-Harl	WMO sfield 72219	Index CDD Like	Start 7/1/2	End 2011 9/30/2	Description 2011 Atlanta-Hartsfield In	Strike 2	User Premium 0.00	SWS Site
		/			m								Þ
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he li	st of	trade) es cai	n be fi	" Itere	d by	tran	Sac	tion	statu 	s.	Premiu	um paid



Flow of a Weather Trade: Viewing Transactions Individually

	_		-		Vie	ring Details of Transaction: $III = 1$ Part = 1		
_	Contract is	ser	nt		110	mg Details of Hansaction. ID - 1,1 art - 1		
	Completed	03	August	2011				
In	fo							
					-			
	Contract is	e sia	ned					
-	Completed	03	August	2011				
In	fo		-		-			
					-			
	Premium is	exc	hanged					
[Completed	03	Aurrust	2011		Payment		
In	fe						*	Record Payment
					-		-	
	Broker's fe		no naid					
	Completed	03		2011		Payment		
	f completed	00	August	2011			*	Record Payment
Iri	10				÷		-	
	Cottlomon	in r	nid					
-	Completed	03	August	2011		Payment		
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-	fo		riagaot	2011			*	Record Payment
	10				<u> </u>		-	
_						9	_	1

This screen helps the back office going through each individual stages of the transaction.

The key stages are:

- -Premium is paid
- -Settlement is paid



Flow of a Weather Trade: Settlement Batch Processing

Transaction	Settlement ·	- Processing				
2. 2	1					
📝 Show Expired	Parts Only		Se	ettlement state filter All ready for settlement	•	
Calculate Pos	t-Settlement?					
Unly show if d	ata has chan Iling method	ged since settleme	nt.			
Automatically	Record Paym	ent				
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Drag a column h	eader here to	group by that colu	imn			
ID Transaction	TD Option	👻 Strip Ty	vpe 🔻	Weather Reference	•	Town
+	2	66 Single	-	Temperature Ave	Dallas-Fort Wo	rth International A
+	3	62 Single	-	Temperature Ave	New York-LaGu	iardia Airport - CM
2 listed trade	(\$)					
	<u> * * </u> ★	•				•
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Index Valu	e					*
Pavoff Val	ue		-			
i ayon va			1			
		Save Values				
		Save Values				Ŧ

SWS can batch process Transactions. This automatically records payments and removes Transactions from the portfolios.



Integration with in-house systems

Speedwell have experience of integrating SWS into other existing back office processes.

It is possible to raise email alerts at key stages in the settlement life cycle (eg when a Transaction has been edited). These can be implemented using SQL Server emailing functionalities and triggers or by creating specific Windows Services



Generation of Confirmations and Invoices



This grid allows the user to filter and export the Transaction Life Cycle grid view to Excel[®], print the document and hand it to the trading desk for confirmation.

rag a column l	header here t	o group by that colur	n													
ID ansaction	TD Option	🝷 🛛 Strip Typ	• •	Weather I	leference	-	Точ	in 4	Type of Option	▼ Strike ▼	Tick 🔻 Ca	kj 🝷 Tra	der 🝷 Buj	er	- Seller	-
	1	7 Single	Temp	erature Ave		At	lanta-Hartsfield Inter	national Airport - CME	Call (NO cap)	1350	20	Trial	Swiss Re		CME	
Part	Premiu Cashfi	m Period w Start	Period End	Settlement S	ettlement	Settlement	Post Settlement Date	Post Settlement	Post Settlement Pauoff	Premium Exchanged	Settlement	Post iettlement				
1	-	00.00 7/1/2011	9/30/2011	10/5/2011	muon	. ayon	12/29/2011	maon	, ayon	Lionangoa	, dia					
Option	/ Optic	n Type 🛛 Wea	her Varia S	trike	Tick	Cap	Trigger	Town	WMO	Index	Start	End	Description	Strike 2	User Premium	SWS
	Call (NO cap) Temp	erature Ave	1350	J	20.00	65	Atlanta-Hartsfi	elc 72219	CDD Like	7/1/201	9/30	2011 Atlanta-Hartsfield In	8	0.00	14
								m							E	



SWS Invoices and Contracts Module

The SWS Invoices and Contracts module is an optional component which can be licensed to automate the generation of:

- □ Standard ISDA Contracts
- □ Invoices (Premium, Brokerage, Settlement)

SWS Oasis - Invoices and Contracts	5
File Lists Tools Help	
🖳 List of Transactions	
Close Refresh Print Contract Sho	W Structure Show Invoice
Start Date 03 August 2011	Company V
End Date 03 August 2011	
Drag a column header here to group by	I stot of Contracts
ID Transa Is Buy?	Close Refresh Open Contract
	Filter
	Start Date 03 August 2011 - End Date 03 August 2011 -
🖳 Banking Details	
Close Refresh New	Edit Delete
Filter	
Company	Currency
Drag a column header her	e to group by that column
ID Inv Counterparty	Currency Correspondent Bank Corr. SWIFT Code Corr. ABA No. Beneficiary Bank Ben.



The first step when using this module is to:

- □ Setup all the banking details for the various counterparties
- □ Personalise the invoice template

Contract Template.doc (Read-Only) [Compatibility Mode] - Microsoft Word	(m) (m) + (m)	Invoice	Templates	ds [Compat	ibility Mode] - Microsoft Exe	:el		
Home Insert Page Layout References Mailings Review View Developer Add-Ins	Home Insert Page I	Layout Formu	las Data	Review	v View	Developer	Add-Ins	Team	0
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	BeneficiarySWIFTCo 👻 💿	<i>f</i> _× 000028-:	292637258	2582-22563	-54				
	A	В	С	D	E	F	G	Н	
	1 Swiss Re								
	2					Premium Invoi	ce		
	4 Date:	15/02/2006							
Weather Index Swap Transaction	5 To:								
	7 Fax:								
[10day s Date]	8 Phone:								
[My Company Name]	9								
[My Company Address]	10 From: 11 Fax:	+1 1582 460 5	15						
[Trader Name]	12 Phone:	+1 1623 987 6	37						
[Counterparty Company Name] [Company Address]	13	05/07/00005							
[Company Address]	14 Date Due:	25/07/2006							
Dear Sire -	16 This fax confirms that <comp< td=""><td>ANY NAME> is</td><td>expecting (</td><td>to make) th</td><td>e following</td><td>payment from</td><td>(to) you:</td><td></td><td></td></comp<>	ANY NAME> is	expecting (to make) th	e following	payment from	(to) you:		
	17 18 Teads Date	Tee de 1D	la dese	Carller	The	Linute	Order To	Clas	MOAN M
Ine purpose of this communication (this "Commandon") is to commit the terms and commons of the Weather Index Derivative Transaction entered into between (My company Name) ("Party A") and [NAME OF PARTY B] ("Party B") on the Trade Date specified below (the "Transaction").	19 20	Trade	Index	SUIKE	TICK	Limit	Option Ty	Site	
This Confirmation constitutes a "Confirmation" as referred to in, and supplements, forms part of, and is	21								
subject to, the ISDA 2002 Master Agreement dated as of [DATE], as amended and supplemented from time	22								
to time (the "Agreement"), between Farty A and Farty B. Au provisions contained in the Agreement shall govern this Confirmation except as expressly modified below.	24								
The 4-6 diameter and empirican excitated in the 2000 ISDA Definitions and the 2006 ISDA Communities	25								
Definitions the "Definitions") as published by the International Swaps and Derivatives Association. Inc.	26								
("ISDA"), are incorporated into this Confirmation. In the event of any inconsistency between those	28								
definitions and provisions and this Confirmation, this Confirmation will govern. In the event of any inconsistency between the provisions of either the Weather Index Appendix or the Definitions Appendix	29								
and the other provisions of this Confirmation, those other provisions of this Confirmation will govern.	30								I otal Amount
The terms of the Transaction to which this Confirmation relates are as follows:	32								
	33								
1. 1 ransaction 1 erms.	34 Please pay in full by wire trans	fer in immediatel	y available	funds acco	rding to the	e following instr	uctions		
Transaction Type: Weather Index Swap	36 Correspondent Bank:	My Bank Nam	e						
Notional Amount: [x.xxx USD/EURO/JPY/GBP] per Weather Index Unit	37 Swift Code:	My SWIFT CO	DE						
Trade Date: [February 22, 2006]	38 ABA Number:	M. Deals Mars							
Inde Date. [Actually.24, 2000]	39 Deneticiary Bank:	WIY Bank Nam	ie						



Communicating with in-house systems

Using direct DB calls or the SWS API it is possible to further integrate SWS into your back office or to develop your own tools to reconcile ledgers, for example.



Payment Reports



Payment Report Overview

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0											
wments By O.	rrency - 7		01 01 0000	-			Lor of r				
ed By Co	impany 1	Payment Date is >=	01/01/2006	_	Paymer	it Date is <=	105/01/4	auto 🛨			
nt 💌 📴 Adva	nced /mont	Date 💌 Paymen	t Value 💌	Paymen	t type 🔳	Receivin	g 📘	Paying		1	Strik
1	27/10/20	005	0	Option 9	Settlement	Market Co	unkerparty .	2 Speedwell	w/eather D	erivatives L	td
2	27/10/20	005	0	Option 9	Settlement	Market Co	unkerparty 2	2 Speedwell	Weather D	erivatives L	td
3	27/10/2	005	150000	Option 9	Settlement	Speedwell	Weather C	DI CME			8
4	27/10/20	005	200000	Option 9	Settlement	Market co	unterparty (3 Speedwell	Weather D	erivatives L	td
6	27/10/20	005	10000	Option :	Settlement	Speedwall	Weather P	Market.com	weather D externation 3	envalives L	d
7	27/10/20	005	00000	Option 9	Settlement	Speedwell	Weather D	CME	merpany o		
8	08/11/20	005	0	Option S	Settlement	Speedwell	Weather D	CME			
9	10/11/2	005	0	Option 9	Settlement	Market Co	unterparty	1 Speedwell?	w/eather D	erivatives L	bl
10	10/11/20	005	0	Option 9	Settlement	Speedwell	Weather D	Market Cou	interparty 1		
11	07/12/20	005	10000	Option H	Premium P	Speedwell	Weather D	Market Cou	interparty 2		3
12	05/01/20	006	0	Option 9	Settlement	Market Co	unterparty '	1 Snaedweil	Weather D	erivatives L	td
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WW× マ Filt マ Re Top 2nd	Payment Reg Company Currency Start Date End Date Douting Level level level	port Options Speedwell W GBP 01/01/2005 01/01/2006 Company Currency Water	eather Deri			3				→	
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Payment Reports can be generated from the main Payments List. Reports can be generated by currency, company or may be tailored towards a very specific output. The results can be exported to MS Excel[®], saved and/or printed off as required

Dat	a Editor	Print Page Set	up 👿			_		_		2/2
-		В	C	D	E	F	G	н	1	
	SWS Payn	nentReport	published	d on 05/01/2006	at 14:43:35 BY	Hammon	dN			
	Lane Item	Company	Date	ID Transaction	Payment Type	Currency	Amount			-
(October 20	05		-						_
1	2005									-
	Option S	Settlement								-14
	CME					GBP	150000			_
	Market	Counterpa	rty 2			GBP	0			_
	Market	t counterpa	rty 3			GBP	-250000			_
	CME					GBP	0			_
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	Option S	Settlement	subtotal			GBP	-100000			
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9	Total in					GBP	250000			
,	Total out					GBP	350000			
1	Total					GBP	-100000			
2						A TOOL			-	
-									-	



Viewing the List of Payments

The payment list contains all the payments that have been recorded in SWS

It shows the amount, the counterparty, which Transaction or Invoice is linked to the payment, etc.

displayed	By Company	mont Date	Raumont Value	Paumont tunn	Passining -	Pauling	Strike
1	Advanced	27/10/2005		Option Settlement	Market Counterparty 2	Speedwell Weather Derivatives Ltd	17
2		27/10/2005	0	Option Settlement	Market Counterparty 2	Speedwell Weather Derivatives Ltd	17
3		27/10/2005	150000	Option Settlement	Speedwell Weather Di	CME	17
4		27/10/2005	200000	Option Settlement	Market counterparty 3	Speedwell Weather Derivatives Ltd	17
5		27/10/2005	150000	Option Settlement	Market counterparty 3	Speedwell Weather Derivatives Ltd	17
6		27/10/2005	100000	Option Settlement	Speedwell Weather Dr	Market counterparty 3	17
7		27/10/2005	0	Option Settlement	Speedwell Weather Di	CME	
8		08/11/2005	0	Option Settlement	Speedwell Weather D-	CME	1
9	()	10/11/2005	0	Option Settlement	Market Counterparty 1	Speedwell Weather Derivatives Ltd	
10		10/11/2005	0	Option Settlement	Speedwell Weather D-	Market Counterparty 1	
11		07/12/2005	10000	Option Premium Pa	Speedwell Weather Di	Market Counterparty 2	1
12		05/01/2006	0	Option Settlement	Market Counterparty 1	Speedwell Weather Derivatives Ltd	1



SWS contains many other payments views allowing the user to generate report by 'levels' such as counterparty, companies, type of payments, etc

1 SWS Payment 2 3 3 4 Line Item Cor 5 October 2005 6 2005 7 Option Settle 8 CME 9 Market Cou Market Cou 11 CME 12 Option Settle 12 Option Settle 13 Option Settle 13 Option Settle 15 0 16 2005 in 17 2005 out 18 2005 subtotal 19 20 20 20 1 20 1 1 0 1			F	F	G	H	1
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8 CME 9 Market Cou 0 Market Cou 1 CME 12 Option Settle 13 Option Settle 14 Option Settle 15 2005 in 17 2005 out 18 2005 subtotal 19 October 2005 in 12 October 2005 in 12 October 2005 in 12 October 2005 in 13 October 2005 in 14 October 2005 in	Settlement						
9 Market Cou 00 Market cou 11 CME 12 Option Settle 13 Option Settle 14 Option Settle 15 Option Settle 16 2005 in 17 2005 out 18 2005 subtotal 19 October 2005 of 12 October 2005 of 13 October 2005 of 14 October 2005 of	and the second second		8	GBP	150000		
0 Market could 11 CME 2 Option Settle 3 Option Settle 4 Option Settle 5 2005 in 7 2005 out 8 2005 subtotal 9 0 12 October 2005 in 12 October 2005 in 13 October 2005 in 14 October 2005 in 15 October 2005 in	Counterparty 2			GBP	0		
11 CME 2 Option Settle 3 Option Settle 4 Option Settle 5 2005 out 66 2005 out 82 2005 out 82 2005 subtotal 99 20 21 October 2005 of 22 October 2005 of 32 October 2005 of 24 20	counterparty 3		3	GBP	-250000		
2 Option Settle 3 Option Settle 4 Option Settle 5 - 16 2005 in 17 2005 out 18 2005 subtotal 19 - 11 October 2005 of October 20				GBP	0		
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66 2005 in 77 2005 out 88 2005 subtotal 99 9 10 October 2005 in 12 October 2005 of 13 October 2005 of 14 15							
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			-	-	· · · · · ·		
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36				0.00	000000		
9 Total in				GBP	250000		
Iotal out				GBP	350000		

Outstanding Payments

This screen reports the outstanding payments.

It is possible to estimate upcoming settlements too in order to prepare cash flows

Uutstanding Payments						- • ×
Settings Due From 03/08/2011	Due Before 03/08/2011	Estimate Settlements?				
Drag a column header here to group by	y that column					
Option			Pay vent			
ID Option Description	Cash Flow Currency	Payment Due 🚽 Amount Known	? - Payment Type -	Counterparty	Estimated?	Est. Fwd. Payment
7 PAYOFF: Call (NO cap) §	518.11 USD	10/5/2011	Est. Option Settleme	CME		0.00



Settlement Reports



Settlement Report Configuration

Before running the report, the user can use filters to specify Transactions to be included

rt Configuration Rep	Dort 🔀		
Position Restictions			
🖱 Buys only	🔘 Sales only	Ø Both	
Settlement Date Res	trictions		
Settlement From	03 August 2	011	
🔲 To	03 August 2	011	
Transaction Date From To	m 03 August 2 03 August 2	011	
Counterparty Restric	tions		
E Buyer			
Seller			•
Counterparty			•
Miscellaneous Restri	ctions		
Portfolio	Demo	•	·
Currency	•]	



Settlement Report Output

The settlement report is output on a spreadsheet and shows which transactions have been settled.

When settled, the index and payoff are reported.

If a Transaction has expired and cannot be settled, the row is highlighted in red

📑 Sett	ement Reports																
3	🔁 🚺	🚺 就															
Repor	t Configuration	Report															
	V	W	Х	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1	Settlement Date	Post Settlement Date	Account Ref.	Description	Transaction Date	Strike	Cap	Tick	Strike 2	Cap 2	Tick 2	Rebate	Option Type	Index Type	Weather Type	Settlement Index	Settlement Payo
2	10/5/2011	12/29/2011			6/1/2011	1350		20					Call (NO cap	CDD Like	Temperature A		
3	7/5/2011	9/28/2011			6/1/2011	650		20					Call (NO cap	CDD Like	Temperature A	653	60
4	7/5/2011	9/28/2011			6/1/2011	290		20					Call (NO cap	CDD Like	Temperature A		
5																	
6																	



Viewing the Values Used to Settle a Trade

SWS records a snapshot of the weather data used to settle a Transaction.

These settlement values are insulated from any subsequent weather data updates (eg arising from a met office quality control revision). This provides a **full audit trail** and also provides the basis for any post settlement adjustment ("true up"), if required.

If a settlement value is different from current data then that value is highlighted in red:

🔝 Sett	lement Data	3					x
5	1						
Transact	ion ID	2]				
Settleme	nt Stage	Settlement 🗸]				
	Α	В	С	D	E	F	-
1	SWS Set	tlement data report on	8/3/2011 at	4:05:37 PM E	BY: Trial		
2	ID Transa	ction: 2, Part: 1, ID Ind	ex: 38				
3	Location:	Dallas-Fort Worth Inter	national Ai	rport - CME (1	7)		
4	Weather I	Measure: Temperature	Ave				
5	Option Pe	eriod: 6/1/2011 to 6/30/	2011				
6	Number o	f data changes since s	ettlement:	1			
7							
8	Date	Settlement value used	Data type	Current Value	Current Data Type	Changed?	
9	6/1/2011	85	20	85	20		
10	6/2/2011	83.5	20	83.5	20		
11	6/3/2011	85	20	85	20		
12	6/4/2011	83.5	20	83.5	20		
13	6/5/2011	87	20	87	20		
14	6/6/2011	85.5	20	85.5	20		
15	6/7/2011	84.5	20	84.5	20		
16	6/8/2011	85.5	20	85.5	20		
17	6/9/2011	85.5	20	85.5	20		
18	6/10/2011	86	20	86	20		
19	6/11/2011	86	20	86	20		
	6/12/2011	87	20	87	20	OTTATOT	
- 21	6/13/2011	89	20	90	20	CHANGE.	2
22	0/14/2011	89.5	20	89.5	20		<u> </u>
23	6/15/2011	89	20	89	20		
24	6/16/2011	89	20	89	20		\vdash
20	6/17/2011	91	20	91	20		\vdash
20	6/10/2011	91.5	20	91.5	20		\vdash
21	6/19/2011	91.0	20	91.5	20		
20	6/20/2011	00.0	20	00.5	20		
20	6/22/2011	01.5	20	91	20		
31	6/23/2011	10	20	83.5	20		
32	6/24/2011	28	20	28	20		
33	6/25/2011	86.5	20	2.08	20		
34	6/26/2011	87	20	87	20		
35	6/27/2011	89	20	89	20		-
(+)	Sheet1 /		20		20		F



Exporting Reports to Excel®



- All the grids in SWS can be exported by right clicking on them and choosing the option "Export to Excel"
- All the Spreadsheets in SWS can be exported by clicking on the toolbar button "Export to Excel" or by double right-clicking and saving the file from the Spreadsheet Editor
- Reports that are not part of SWS by default and that can be extracted from the database can be saved as a SQL Query. This can also be exported from the grid view
- Portfolios Reports are saved in the database and can be emailed at the end of the day



Trade Query



Transactions are reported in the Transaction P&L report, in the Daily VaR report and in many other Back Office screens

				1	1	1											
Site	Country	Weather Ref.	Option Type	Compound Index?	Index Type	Option Start Date	Option End Date	Strike 1	Strike 2	Cap 1	Cap 2	Tick 1	Tick 2	SWS Station ID	Market Level.	Index Fwd.	Index Vol
Atlanta-Hartsfield International Airport - CME	United States	Temperature Ave	Call (NO cap)	False	CDD Like	7/1/2011	9/30/2011	1350				20		14	1,378.00	1308.853654	108.81741
New York-LaGuardia Airport - CME	United States	Temperature Ave	Call (NO cap)	False	CDD Like	6/1/2011	6/30/2011	290				20		20	50.00	234.5	2.865372723E-0

It is possible at any time to find transactions (included deleted and settled) through the Transaction Life Cycle Management screen

Settled Transactions also have a static trace of the data used when settling them.

Any Transaction can be opened in the pricing form for further inspection when necessary.



Segregation of Duties: User Permissioning



Through the SWS Data Manager, key SWS functionalities can be permissioned on a per-user basis. These permissions can be set up by a "Super-User"

🛐 User	😵 📋 Ensure Pas	sword Complexity		×				
First Name Surname	Back Office	Info		^ ~				
Password Confirm Password Access Level	Back Office User	Activation Start End	03/08/2011					
Can Trade Can Use Middle Can Use Bac	Office Functionality k Office Functionality	✓ Can Use ✓ Can Cha ◯ Can Use	 ✓ Can Use Data Auditing ✓ Can Change Weather Data Can Use Client Functionnality 					
Can Use Invoice Portfolio Can Use Po Can Display P Can Change F Can Change C	ng Functionality rtfolio Functionality ortfolio Data Portfolio Data Others Portfolio	SWS Dasi Can writ Can Ru Can Acc Can Cre	s Data Manager e to DB in SWS Dasis cess DataBase M ate & Modify Use	Data Manager lanagement er				
Can Use Va	R Functionality							



Static Data Maintenance



Back Office users manage counterparties, bank details and contacts

Com	panie	es									
1	6	>	• 🥒	-							
ID Comp	par I:	s Count	Company Nar	ne 🛛 🛆	Country		Bus Pho	ne	Town		Addre 🔺
	42	•	Mitsui Sumitomo	Insurance Co., Ltd							
	40	<	Mizuho Corporal	te Bank							
	19	<	Munich America	in Capital Markets, Inc.	United States						
	17		NCDC		United States				Asheville NC		Federa
	43	✓	Partner Reinsura	ance							
	27	✓	Powergen		United Kingdom	1					
	2	✓	Rabobank Inter	national/Interpolis Re	United Kingdom	1					
	10		SMHI		Sweden						Norrkö
	55	~	Saracen Energy	1	United States				Houston		
	44	~	Sompo Japan Ir	isurance Inc.							
	45		Southern Hydro								
	5	<u> </u>	Company								_ 0
	45										
	47		3. 8								
	22	•	Nama	New Client			Market	C			
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Remarks											
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			Post Code								
			FUSICODE								
			Country	United States	•						
			Fax							-	
			Send Email							F	



FX Rates can be provided by Speedwell Weather via FTP

However, users may prefer to either:

- Import their own FX Rate using the SWS API (SWS standard FX Rate import Spreadsheet)
- □ Import their own FX Rate from a CSV File
- □ Import their own FX Rate using a "DB to DB call"



CME closing prices can be provided by Speedwell Weather

-31	👩 🌙 🗯	0	diff.					
	• • •		605					
	- ilter							
)rag a col	lumn header here to group	by that co	olumn					
) Index	Town 🛆	- Inde	ex type 🔻	Period Start	Period End	Market Swap Level	User Vol	Date Time
403	Baltimore-Washington Int	erna HDE) Like	01-Feb-12	29-Feb-12	821.00		7/29/2011 11:59:59 P
434	Baltimore-Washington Int	erna CDD	Like	01-0ct-11	31-0ct-11	22.00		7/29/2011 11:59:59 P
461	Baltimore-Washington Int	erna HDE) Like	01-Apr-12	30-Apr-12	328.00		7/29/2011 11:59:59 P
525	Baltimore-Washington Int	erna CDD	Like	01-Jun-12	30-Jun-12	249.00		7/29/2011 11:59:59 P
22	Boston-Logan Internation	al Ai CDD	Like	01-May-11	30-Sep-11	899.00		7/29/2011 11:59:59 P
25	Boston-Logan Internation	al Ai CDD	Like	01-Aug-11	31-Aug-11	250.00		7/29/2011 11:59:59 F
26	Boston-Logan Internation	al Ai CDD	Like	01-Sep-11	30-Sep-11	90.00		7/29/2011 11:59:59 F
158	Boston-Logan Internation	al Ai CDD	Like	01-Apr-12	30-Apr-12	5.00		7/29/2011 11:59:59 F
203	Boston-Logan Internation	al Ai HDD) Like 👘	01-Mar-12	31-Mar-12	828.00		7/29/2011 11:59:59 F
227	Boston-Logan Internation	al Ai HDD) Like 👘	01-0ct-11	31-0ct-11	338.00		7/29/2011 11:59:59 F
235	Boston-Logan Internation	al Ai HDD) Like	01-Dec-11	31-Dec-11	922.00		7/29/2011 11:59:59 F
263	Boston-Logan Internation	al Ai CDD	Like	01-May-12	31-May-12	23.00		7/29/2011 11:59:59 F
351	Boston-Logan Internation	al Ai HDD) Like	01-Nov-11	31-Mar-12	4,381.00		7/29/2011 11:59:59 F
353	Boston-Logan Internation	al Ai HDD) Like	01-Jan-12	31-Jan-12	1,107.00		7/29/2011 11:59:59 F
393	Boston-Logan Internation	al Ai HDD) Like	01-Nov-11	30-Nov-11	586.00		7/29/2011 11:59:59 F
404	Boston-Logan Internation	al Ai HDD	Like	01-Feb-12	29-Feb-12	938.00		7/29/2011 11:59:59 P
435	Boston-Logan Internation	al Ai CDD	Like	01-0ct-11	31-0ct-11	9.00		7/29/2011 11:59:59 F

Users may prefer to enter their own closes/marks using the SWS API (standard Excel[®] Spreadsheet)



Weather Risk Portfolio Setup



Real, Mirrored, Working and Enterprise Portfolios

SWS supports four types of portfolios:

- Real Portfolios are the portfolios that contain actual executed transactions.
- Working Portfolios are "throw away" Portfolios and can be used for analysis (eg marginal impact of a proposed transaction).
- Mirrored Portfolios are working portfolios that mirror a real portfolio but for which a different portfolio risk model is attached to for analysis or reporting purposes.
- The Enterprise Portfolio is the portfolio made of all Real Portfolios

There is no limit to the number of Portfolios



Once defined (saved), a Weather Derivative may be traded. The transaction is booked into any portfolio. The Enterprise Portfolio collates all Portfolio risks.





- The user can freely assign a real transaction to any Real Portfolio
- A transaction may be moved from one Portfolio to another
- Portfolios may be split according to different rules such as:
 - Winter / Summer
 - By currency
 - "Live" / "Future" Portfolios
 - By geography

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