

---

# ***The Clearing Industry in Europe: Cost Comparison***



*European Central Counterparty Ltd.*

---

**Table 1**

<b>Country</b>	<b>Exchange</b>	<b>CCP</b>	<b>Average Clearing Cost/Side</b>
Austria	Wiener Börse	CCP.A	0.07 Euros
Belgium, France, Netherlands, Portugal	NYSE Euronext	LCH.Clearnet SA	0.23 Euros
Denmark, Finland, Sweden + Baltics	NASDAQ OMX	Fortis EMCF (hypothetical)	0.14 Euros
Germany	Deutsche Börse	Eurex Clearing AG	0.55 Euros
Ireland	Irish Stock Exchange	Eurex Clearing AG	0.32 Euros
Italy	Borsa Italiana	CC&G	0.09 Euros
Norway	Oslo Børs	Fortis EMCF (hypothetical)	0.14 Euros
Switzerland	SWX Group	SIS x-clear	0.20 Euros
UK	London Stock Exchange	LCH.Clearnet Ltd.	0.19 Euros
Pan-Europe		EuroCCP	0.0292 Euros

Table 2									
Number of Trades and Sides/1000s									
Column	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
					<i>Formula</i>	= (E) / 83 days	= (F) x 2 sides	= (F) x 250 days	= (H) x 2 sides
<i>Exchange</i>	2008				Jan-Apr	Jan-Apr	Jan-Apr	Annualised	Annualised
	January	February	March	April	Total	Avg Daily Trades*	Avg Daily Sides	Total Trades*	Total Sides
Borsa Italiana	7,592	6,176	6,026	6,032	25,826	311	622	77,788	155,576
Deutsche Börse	17,685	11,602	11,270	10,826	51,383	619	1,238	154,768	309,535
Euronext	20,042	15,629	14,028	14,571	64,271	774	1,549	193,587	387,175
Irish SE	112	79	96	90	376	5	9	1,133	2,265
London SE	20,831	15,638	15,733	15,002	67,204	810	1,619	202,421	404,843
NASDAQ OMX**	5,794	4,603	4,030	4,339	18,766	226	452	56,525	113,049
Oslo Børs**	1,715	1,325	1,017	1,305	5,363	65	129	16,154	32,307
Swiss Exchange	4,280	3,534	3,367	3,415	14,595	176	352	43,961	87,921
Wiener Börse	697	487	464	450	2,097	25	51	6,317	12,635
Total	78,748	59,074	56,030	56,029	249,881	3,011	6,021	752,653	1,505,306

**Notes:**

OMX Nordic Exchange : OMX includes Copenhagen, Helsinki, Stockholm, Iceland, Tallinn, Riga and Vilnius Stock Exchanges, now called NASDAQ OMX

Swiss Exchange : turnover includes shares traded on Virt-x (now named SWX Europe)

\* Assuming 83 trading days Jan - Apr, 250 trading days Jan – Dec

\*\* No national CCP at present. Estimate made assuming Fortis EMCF tariff.

Source of number of trades Jan – Apr 08: World Federation of Exchanges

**Table 3**

**Estimated Costs of using Incumbent CCPs in Europe and Savings of using EuroCCP in Euros**

Column	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)
Formula			= (G) * (J)	= (G) * (K)	= (L) - (M)	= (N) * 250 days	= (I) * (J)	= (I) * (K)
Current Central Counterparty (Exchanges)	Current CCP Avg Cost/Side	EuroCCP Avg Cost/Side	Current CCP Daily Fees	EuroCCP Daily Fees	Savings per Day	Savings per Year	Current CCP Annual Fees	EuroCCP Annual Fees
CC&G (Borsa Italiana)	0.09	0.0292	56,007	18,171	37,836	9,458,990	14,001,795	4,542,805
Eurex (Deutsche Börse)	0.55	0.0292	680,977	36,154	644,824	161,205,897	173,339,674	9,038,426
LCH.Clearnet SA (Euronext)	0.23	0.0292	356,201	45,222	310,979	77,744,719	89,050,226	11,305,507
Eurex (Irish SE)	0.32	0.0292	2,899	265	2,635	658,687	724,827	66,140
LCH.Clearnet Ltd (LSE)	0.19	0.0292	307,681	47,286	260,395	65,098,722	76,920,132	11,821,410
[Fortis EMCF] ** (NASDAQ OMX)	0.14	0.0292	63,308	13,204	50,103	12,525,843	15,826,878	3,301,034
[Fortis EMCF] ** (Oslo Børs)	0.14	0.0292	18,092	3,773	14,319	3,579,653	4,523,027	943,374
SIS x-clear (Swiss Exchange)	0.20	0.0292	70,337	10,269	60,068	15,016,964	17,584,267	2,567,303
CCP.A (Wiener Börse)	0.07	0.0292	3,538	1,476	2,062	515,492	884,422	368,930
<b>Total</b>	<b>0.26</b>	<b>0.0292</b>	<b>1,559,040</b>	<b>175,820</b>	<b>1,383,220</b>	<b>345,804,968</b>	<b>389,759,898</b>	<b>43,954,930</b>
<b>Excluding OMX, Oslo</b>	<b>0.25</b>	<b>0.0292</b>	<b>1,477,640</b>	<b>158,842</b>	<b>1,318,798</b>	<b>329,699,472</b>	<b>369,409,993</b>	<b>39,710,521</b>

\*\* No national CCP at present. Estimate made assuming Fortis EMCF tariff.