


INVESTMENT CAPITAL UKRAINE
 INVESTMENT BANKING

Daily Insight

Liquidity up; YTM's diverge; Auction results; UAH declines slightly

WEDNESDAY, 12 FEBRUARY, 2014

RESEARCH INSIGHT

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UX Index (3 months to 12 Feb 2014)



Key market indicators (as of 11 Feb 2014)

	Last	Daily chg (%)	YTD chg (%)
FX & MONEY RATES			
USD/UAH	8.6300	+2.31	+4.73
USD/UAH (1Y NDF)	10.4050	+2.49	+10.46
EUR/USD	1.3638	-0.06	-0.76
USD/RUB	34.7380	-0.06	+5.68
KievPRIME O/N (%)	N/A		
KievPRIME 1M (%)	N/A		

BONDS: yields and spreads

Ukraine VAT bond (%)	N/A	+74bp	+0bp
Ukraine 17, Eurobond (%)	12.06	+39bp	+250bp
Ukraine 22, Eurobond (%)	10.30	+16bp	+96bp
Ukraine 23, Eurobond (%)	9.88	+21bp	+83bp
Ukraine 5Y CDS	1,121bp	+67bp	+304bp

EQUITIES

Stock market indices

UX (Ukraine)	905.49	+1.15	-0.50
MSCI World	400.19	+1.08	-2.05
MSCI EM	944.75	+0.99	-5.78
RTS (Russia)	1,341.85	+0.44	-6.99
WIG-20 (Poland)	2,443.71	+1.34	+1.78
S&P 500 (USA)	1,819.75	+1.11	-1.55

MOST ACTIVE: Top 3 stocks by value traded (US\$m)

FXPO LN	6.85	59.6% of total ¹
KER PW	2.28	19.8%
MHPC LI	1.12	9.7%

GAINERS: Top 3 stocks (in listed currency)

RPT LN	GBP 12.00	+6.67	-7.69
FXPO LN	GBP 165.40	+4.35	-13.40
SGR PW	PLN 0.65	+3.17	+22.64

LOSERS: Top 3 stocks (in listed currency)

KSG PW	PLN 8.00	-8.05	-26.27
IMC PW	PLN 8.30	-3.49	-31.69
AGT PW	PLN 2.58	-3.37	+32.31

Notes: Chg – percentage change, if not otherwise indicated;
 [1] – total traded volume for stocks listed in Table 1, pp. 2;
 green- or red-shaded box means gain or loss, respectively,
 of the index or security.

Sources: Bloomberg, UX, Investment Capital Ukraine LLC.

Table 1. Ukrainian stocks (closing prices as of 11-Feb-2014)

Company	Bloomberg Ticker	Listing	Share price performance (% change)					Valuation (US\$)			Free float (FF) & Liquidity					P/E			EV/EBITDA			EV/Sales			Ratios		
			Last price	Daily	MoM	YTD	YoY	Last price	Market cap (m)	EV (m)	FF (%)	FF mkt cap (US\$m)	Last day turnover (US\$ 000)	3M avg. turnover (US\$ 000)	FF share traded (%)	FF turnover (days)	2010	2011E	2012E	2010	2011E	2012E	2010	2011E	2012E	P/B (x)	Debt/Assets (%)
ENERGY																											
Cadogan Petrol...	CAD LN	London	11.50 GBP	+0.0	+13.6	+10.8	+2.2	0.19	43.8	-19.3	40.2	17.6	0.2	12.8	0.09	1,099	Neg.	Neg.	Neg.	2.9	3.0	6.0	Neg.	Neg.	Neg.	0.2	0.0
Centrenerg	CEEN UK	Kiev, UX	4.49 UAH	+1.1	-4.0	-5.7	-24.5	0.52	192.2	265.7	21.7	41.7	9.8	66.3	0.10	976	7.1	6.6	4.6	0.5	3.9	2.6	0.3	0.3	0.3	0.7	12.2
Coal Energy	CLE PW	Warsaw	1.10 PLN	-0.9	-6.0	+4.8	-91.2	0.36	16.2	74.1	25.0	4.0	149.1	109.3	4.12	24	Neg.	Neg.	N/A	1.2	10.1	N/A	0.6	0.8	N/A	0.1	7.7
Donbasenergo	DOEN UK	Kiev, UX	31.75 UAH	-0.4	+13.5	+15.1	+41.3	3.68	86.9	142.0	14.2	12.4	15.8	46.9	0.19	523	24.2	3.2	4.7	0.5	2.6	2.5	0.3	0.2	0.3	1.1	17.8
JKX Oil & Gas	JKX LN	London	69.50 GBP	+0.4	-3.8	-2.8	+7.3	1.14	196.6	193.6	47.2	92.8	21.2	66.4	0.09	1,136	Neg.	6.1	5.5	1.4	1.9	2.1	1.0	1.0	0.9	0.4	2.5
Regal Petroleum	RPT LN	London	12.00 GBP	+6.7	-12.7	-7.7	-59.5	0.20	63.4	36.5	80.9	51.3	2.0	6.9	0.01	10,158	5.4	12.7	N/A	1.6	2.1	N/A	0.9	N/A	N/A	0.2	0.0
Sadova Group	SGR PW	Warsaw	0.65 PLN	+3.2	+6.6	+22.6	-63.1	0.21	9.2	48.9	25.0	2.3	24.1	39.8	1.18	85	Neg.	N/A	N/A	24.4	N/A	N/A	1.2	N/A	N/A	0.2	42.7
Zakhidenergo	ZAEN UK	Kiev, PFTS	117.90 UAH	-0.1	+30.4	+30.4	+19.8	13.65	174.6	208.9	5.0	8.7	0.3	10.3	0.12	852	786.2	N/A	N/A	1.4	N/A	N/A	0.2	N/A	0.1	2.9	9.7
METALLURGY																											
Alchevsky Meta...	ALMK UK	Kiev, UX	0.04 UAH	+0.0	-1.7	-6.7	-32.1	0.00	108.0	1,733.5	3.9	4.2	0.8	12.8	0.18	542	Neg.	Neg.	N/A	N/A	Neg.	N/A	1.0	1.1	N/A	N/A	64.5
Avdiyivsky Cok...	AVDK UK	Kiev, UX	2.80 UAH	-0.6	-1.6	-5.4	-18.3	0.32	63.2	59.1	4.0	2.5	0.5	10.9	0.14	726	Neg.	Neg.	2.6	Neg.	1.4	0.9	0.1	0.1	0.1	0.1	0.0
Azovstal	AZST UK	Kiev, UX	0.61 UAH	+1.8	-4.6	-9.4	-14.1	0.07	295.5	285.8	4.1	12.1	6.5	16.3	0.03	3,402	Neg.	Neg.	N/A	Neg.	Neg.	N/A	0.1	0.1	N/A	0.2	0.0
Ferrexpo PLC	FXPO LN	London	165.40 GBP	+4.4	-5.6	-13.4	-38.6	2.72	1,603.6	2,190.8	22.4	359.2	6,855.0	2,547.3	1.00	100	7.5	6.3	6.9	5.5	4.6	4.8	1.5	1.4	1.4	1.0	37.0
Yasynivsky Cok...	YASK UK	Kiev, UX	0.56 UAH	+0.0	+3.0	+4.7	-19.6	0.06	17.6	19.2	9.0	1.6	0.0	1.9	0.05	1,840	2.2	1.5	1.1	0.1	0.7	0.6	0.0	0.0	0.0	0.1	0.1
Yenakievo Steel	ENMZ UK	Kiev, UX	31.39 UAH	-0.3	-2.0	-1.9	-13.8	3.63	38.3	32.3	9.4	3.6	0.1	9.7	0.26	386	4.8	Neg.	2.0	Neg.	Neg.	N/A	0.0	0.0	0.0	0.8	0.0
FOOD AND AGRIBUSINESS																											
AgroGeneration	ALAGR FP	EN Paris	1.20 EUR	+0.8	-4.0	-3.2	-27.7	1.64	151.2	178.3	34.0	51.4	11.3	41.0	0.06	1,566	Neg.	N/A	N/A	Neg.	N/A	N/A	2.8	N/A	N/A	1.3	35.9
Agroliga	AGL PW	Warsaw	25.25 PLN	-0.6	-10.7	-2.6	+15.8	8.26	12.7	13.6	16.7	2.1	6.5	12.0	0.54	186	2.9	N/A	N/A	3.9	N/A	N/A	0.6	N/A	N/A	1.0	5.7
Agroton	AGT PW	Warsaw	2.58 PLN	-3.4	-8.2	+32.3	-75.7	0.84	18.3	65.6	26.2	4.8	196.0	151.0	4.59	22	2.7	3.8	2.5	4.6	7.0	4.2	0.7	1.0	0.8	0.1	28.0
Astarta Holdin...	AST PW	Warsaw	61.55 PLN	-0.7	-6.1	-8.0	-8.1	20.13	503.2	830.8	31.0	156.1	648.8	222.4	0.15	683	8.2	7.0	4.0	9.4	6.8	4.5	1.7	1.7	1.3	0.9	38.9
Avangard	AVGR LI	London Intl	10.79 USD	-1.9	-4.5	-8.2	+4.8	10.79	689.2	855.5	21.7	149.6	17.8	224.5	0.16	619	3.1	3.0	3.2	3.1	2.9	3.0	1.4	1.2	1.2	0.6	22.3
IMC	IMC PW	Warsaw	8.30 PLN	-3.5	-33.5	-31.7	-48.8	2.71	85.0	201.2	23.9	20.3	42.4	21.5	0.23	435	4.5	4.5	3.5	5.5	4.8	4.0	2.7	1.4	1.0	0.7	33.0
Kernel Holding...	KER PW	Warsaw	35.94 PLN	-2.9	-14.4	-5.6	-45.5	11.75	936.5	1,657.0	58.8	550.4	2,277.5	1,797.7	0.24	414	8.4	8.9	5.1	5.7	5.9	4.6	0.6	0.7	0.6	0.7	30.6
KSG Agro	KSG PW	Warsaw	8.00 PLN	-8.0	-24.5	-26.3	-37.7	2.62	39.3	161.1	34.4	13.5	28.2	15.4	0.09	1,162	4.8	3.2	3.3	38.2	5.5	4.4	4.3	2.3	1.5	0.4	29.2
MHP	MHPC LI	London Intl	15.00 USD	-0.3	-16.7	-12.0	-16.9	15.00	1,585.0	2,786.0	22.3	353.8	1,116.3	1,470.1	0.40	250	5.3	7.6	5.5	6.0	6.5	5.3	2.0	1.9	1.7	1.3	45.8
Milkiland	MLK PW	Warsaw	9.84 PLN	+0.0	-14.4	-21.3	-34.4	3.22	100.6	234.8	20.0	20.1	10.5	8.1	0.07	1,469	5.8	5.6	5.5	6.6	5.8	4.7	0.6	0.5	0.5	0.4	29.9
Mriya Agrohold...	MAYA GF	Frankfurt	5.04 EUR	+0.0	-0.5	-6.8	+6.0	6.87	729.9	1,461.8	20.0	146.0	0.0	1.4	0.00	1,223,488	4.2	4.6	4.8	6.3	5.5	5.9	4.2	3.9	3.4	0.8	34.8
Ovostar Union	OVO PW	Warsaw	74.49 PLN	-1.9	-21.6	-25.5	-23.2	24.36	146.2	158.2	25.0	36.5	32.1	40.0	0.04	2,469	6.2	5.6	3.9	5.7	5.7	3.6	2.2	1.9	1.4	1.4	3.7
CONSTRUCTION																											
TMM	TR61 GF	Xetra	0.29 EUR	+0.0	-9.8	-9.8	-33.9	0.39	20.2	179.5	13.1	2.6	0.0	0.0	N/A	N/A	Neg.	N/A	N/A	Neg.	N/A	N/A	8.2	N/A	N/A	0.2	44.1
FINANCIAL SERVICES																											
Raiffeisen Ban...	BAVL UK	Kiev, UX	0.11 UAH	-0.3	+1.9	-1.1	+1.4	0.01	389.5	N/A	3.8	14.9	23.3	43.2	0.17	581	10.5	6.1	3.2	N/A	N/A	N/A	N/A	N/A	N/A	0.5	28.3
Ukrsotsbank	USCB UK	Kiev, UX	0.17 UAH	-2.9	-3.0	-9.4	+20.0	0.02	356.9	N/A	4.5	16.0	5.2	9.5	0.02	5,249	1,018.2	187.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.3	30.9

Table 1. Ukrainian stocks (closing prices as of 11-Feb-2014)

Company	Bloomberg Ticker	Listing	Share price performance (% change)					Valuation (US\$)			Free float (FF) & Liquidity					P/E			EV/EBITDA			EV/Sales			Ratios	
			Last price	Daily	MoM	YTD	YoY	Last price	Market cap (m)	EV (m)	FF (%)	FF mkt cap (US\$m)	Last day turnover (US\$ 000)	3M avg. turnover (US\$ 000)	FF share traded (%)	FF turnover (days)	2010	2011E	2012E	2010	2011E	2012E	2010	2011E	2012E	P/B (x)

Notes: mIn - millions; FF - free float; n/a - not available; neg. - negative; a company name (the left column of the table) is shortened to fit the column and hence in some cases is not displayed in full; *** -- means that P/E ratio is above 10,000x.

Sources: Bloomberg, Investment Capital Ukraine LLC.

Bonds: News & Comments

Broader liquidity increases

Broader banking sector liquidity continued to recover yesterday as it rose UAH2.46bnbn to UAH27.57bn. Total local currency debt repayments scheduled for the next 30 days rose UAH2.18bn to UAH5.79bn and total CDs outstanding rose 0.35bn to UAH0.38bn while banks' correspondent accounts with the NBU slid UAH0.07bn to UAH21.40bn.

Investment implications: Liquidity currently available to banks remained quite stable with a slight decline as one bank purchased UAH0.35bn of new CDs. Today's debt repayments should provide banks with UAH0.87bn of funds while UAH1.15bn in new budget financing should be transferred to the MoF today. Without injections from the NBU, we anticipate liquidity to decline today.

YTM's diverge

Because there were no political developments in Ukraine and activity at the Ukrainian Eurobond market was low, YTM's diverged yesterday. At the close, UKRAIN 6.875% '15 rose 1bp to 14.21%, UKRAIN 9.25% '17 rose 39bp to 12.06%, UKRAIN 7.95% '21 rose 16bp to 10.65%, UKRAIN 7.80% '22 rose 16bp to 10.30% and UKRAIN 7.50% '23 rose 21bp to 9.88%, while UKRAIN 6.58% '16 slid 2bp to 11.85% and UKRAIN 6.75% '17 declined 10bp to 11.01%.

US Treasury YTM's rose yesterday. At the close, the 5-year bond YTM rose 6bp to 1.53% and the 10-year bond YTM rose 6bp to 2.73%.

Primary auction results

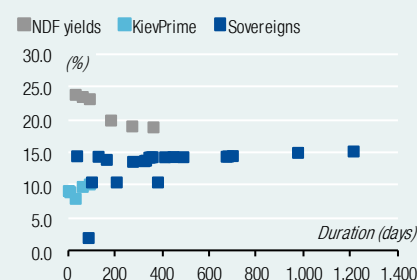
Due to low liquidity in the banking system (see comment above) and the new FX market regulation taking effect, banks ignored regular primary auctions despite the wide range of bonds offered. The MoF attracted and accepted just two bids for the 5-year bond at the standard 14.25% interest rate, providing the MoF with UAH1.15bn of funds.

Investment implications: The MoF did not refinance its principal repayments for the third consecutive week, and instead most likely tapped funds from other sources such as FX accounts, budget revenues, or excess NBU funds.

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Yield curve of the local bond market

(as of market close on 11 Feb 2014)



Sources: Bloomberg, Investment Capital Ukraine LLC.

Bond market indicators (as of 11 Feb 2014)

	Last	Daily chg (%)	Weekly chg (%)	MoM chg (%)	YTD chg (%)
MONEY MARKET KIEV PRIME RATES (%)					
0/n	N/A	N/A	N/A	N/A	N/A
1wk	N/A	N/A	N/A	N/A	N/A
1m	N/A	N/A	N/A	N/A	N/A
2m	N/A	N/A	N/A	N/A	N/A
3m	N/A	N/A	N/A	N/A	N/A
LIQUIDITY WIDE MEASUREMENT (UAHm)					
CB acc's ¹	21,397	-0.33	-7.56	-28.34	-34.57
CDs ²	418	+514.7	-86.83	-97.61	-72.50
Sovgns ³	5,782	+0.00	-15.33	-17.55	+286.8
Total	27,597	+1.03	-16.75	-49.21	-22.73
HOLDERS OF UAH SOVEREIGN BONDS (UAHm)					
C.bank	147,698	+0.00	-0.73	+0.44	+1.97
Banks	80,449	+0.15	+1.73	-0.63	+0.35
Resid's ⁴	12,770	-0.02	-1.95	+3.12	+3.01
Non-res ⁵	12,965	+0.23	+6.18	+8.31	+10.83
Total	253,882	+0.06	+0.31	+0.60	+1.91
NDF IMPLIED YIELDS (%)					
3m	32.52	-142bp	+11bp	+24bp	+20bp
6m	30.95	+194bp	+11bp	+21bp	+18bp
9m	23.78	-21bp	+711bp	+11bp	+977bp
1yr	21.23	+21bp	+551bp	+712bp	+625bp
LOCAL CURRENCY UAH SOVEREIGN BOND YIELDS (%)					
Mar '13	N/A	-52ppt	+0bp	+0bp	+0bp
Jan '14	N/A	+320bp	+0bp	-383bp	-676bp
Aug '15 ⁶	N/A	+74bp	+0bp	+0bp	+0bp
EUROBONDS USD SOVEREIGN BOND YIELDS (%)					
CDS 5yr	1,121	+67bp	+140bp	+405bp	+304bp
Jun '16	12.42	+2bp	+184bp	+493bp	+353bp
Jul '17	12.06	+39bp	+137bp	+383bp	+250bp
Sep '20	10.67	+16bp	+57bp	+177bp	+148bp
Sep '21	10.65	+15bp	+57bp	+175bp	+143bp
Sep '22	10.30	+16bp	+38bp	+137bp	+96bp
Feb '23	9.88	+21bp	+38bp	+124bp	+83bp

Notes: [1] banks' account balance at NBU; [2] certificates of deposits issued by NBU; [3] UAH sovereign bonds due next 30 days; [4] residents; [5] non-residents; [6] VAT bond.

Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart page: Local bond market & Eurobond markets

Chart 1. Kiev Prime rates (%), last 12-month period

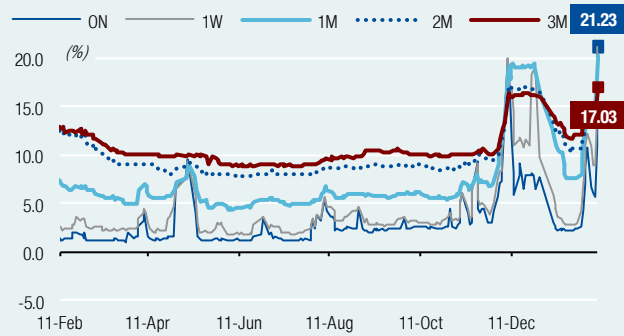


Chart 2. UAH NDF implied yields (%), last 12-month period

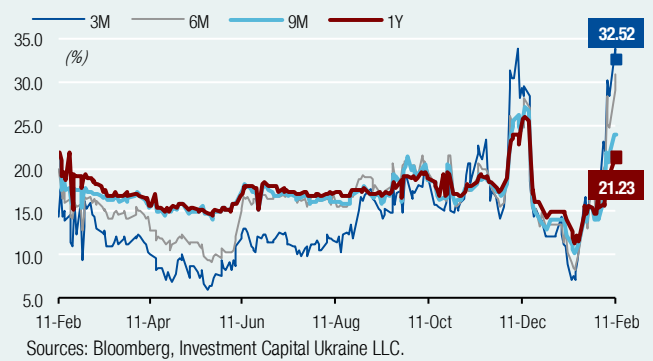


Chart 3. UAH sovereign yield curve (%) as of 11 Feb 2014

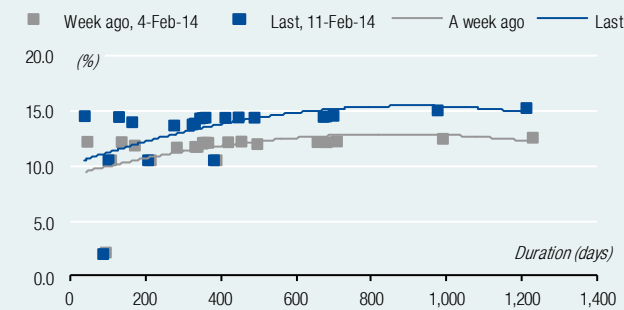


Chart 4. USD sovereign yield curve (%) as of 11 Feb 2014

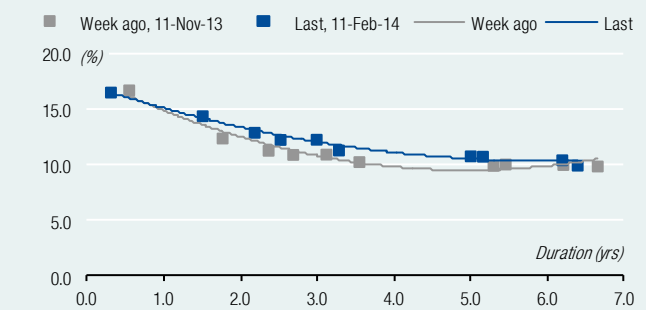


Chart 5. Banking sector liquidity (UAHbn), last 12-month period

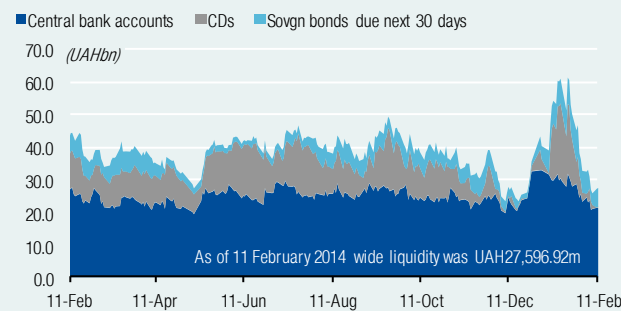


Chart 6. Breakdown of liquidity pool (%) as of 11 Feb 2014

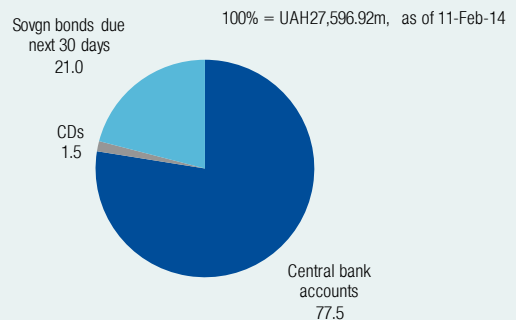


Chart 7. Holders of sovereign bonds (UAHbn), last 12 months

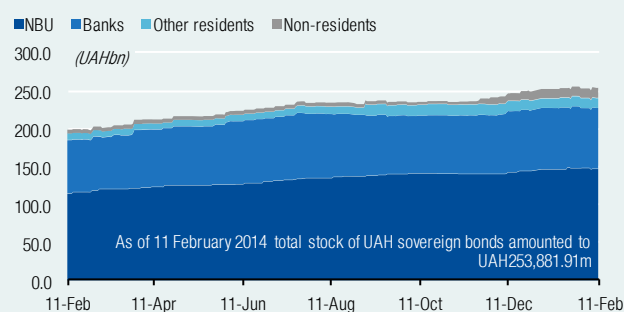
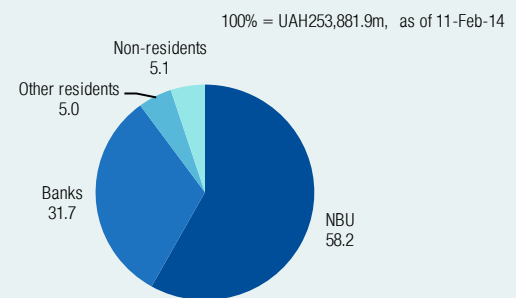


Chart 8. Domestic sovereign debt (%) as of 11 Feb 2014



FX: News & Comments

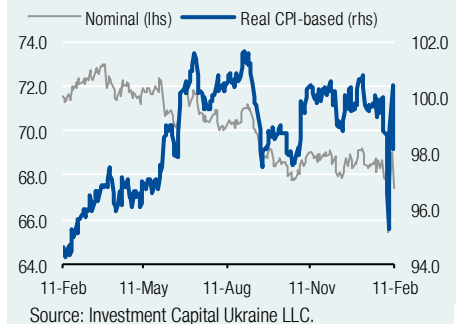
UAH slides as demand recovers from controls

As demand for USD recovered slightly yesterday, the UAH FX rate slid 2.31% to 8.63/USD on US\$0.84bn in trading, up from previous day. The impact of the KZT's 16% devaluation was muted on the market. Due to the small share of the KZT in the basket upon which the UAH's real trade-weighted index is calculated, the UAH's real rate was only pushed slightly higher than it would have been. Overall, the UAH's real TWI lost 2.35% as the RUB moved sideways, changing very little, while the EUR lost 0.06%.

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ICU's UAH trade-weighted indices

(Last 12-month history to 12 Feb 2014)



FX market indicators (as of 11 Feb 2014)

	Last	Daily	Weekly	MoM	YTD
		chg (%)	chg (%)	chg (%)	chg (%)
USD/UAH MARKET (HRYVNIA per US DOLLAR)					
Spot mkt	8.6300	+2.31	-1.65	+4.16	+4.73
NBU avg	8.5507	-0.03	+4.90	+5.34	+4.91
Tt vlm ¹	1001.64	+4.86	-38.86	+696.2	-64.25
\$ volume ²	841.73	+17.61	-37.90	+725.5	-61.93
NDF 3M	9.3250	+1.98	+0.81	+10.16	+9.90
NDF 6M	9.9500	+3.17	+3.11	+14.37	+13.33
NDF 1Y	10.4050	+2.49	+3.04	+10.69	+10.46
TRADE-WEIGHTED INDICES (TWIs, points)					
UAH nom'l	67.373	-2.35	+1.42	-1.58	-1.68
UAH real CPI	98.097	-2.35	+1.42	-1.58	-1.68
UAH real PPI	130.753	-2.35	+1.42	-1.58	-1.68
USD nom'l	80.638	+0.00	-0.60	-0.02	+0.75
FX RATES OF KEY CURRENCIES THAT SHAPE UAH's TWIs					
USD/RUB	34.7380	-0.06	-0.92	+5.09	+5.68
EUR/USD	1.3638	-0.06	+0.88	-0.23	-0.76
USD/CNY	6.0602	+0.00	-0.02	+0.13	+0.10
USD/PLN	3.0595	-0.11	-1.70	+0.80	+1.21
USD/TRY	2.1931	-1.01	-2.02	+1.32	+2.09
USD/BYR	9,695.00	+0.10	+0.36	+1.31	+1.62
USD/KZT	184.5200	-0.73	+18.57	+19.35	+19.61
OTHER MAJOR CURRENCIES					
USD/JPY	102.6300	+0.36	+0.97	-1.49	-2.54
GBP/USD	1.6450	+0.29	+0.77	-0.20	-0.65
USD/CHF	0.8983	+0.17	-0.60	-0.45	+0.60
AUD/USD	0.9038	+0.99	+1.27	+0.48	+1.36
USD/CAD	1.1009	-0.42	-0.66	+1.07	+3.63
USD/BRL	2.4004	-0.39	-0.21	+1.78	+1.62
USD/KRW	1,070.89	-0.03	-1.19	+0.90	+2.01
COMMODITIES					
Gold(\$/oz)	1,291.46	+1.31	+2.93	+3.45	+7.12
WTI crude ³	N/A	N/A	N/A	N/A	N/A
Brent crd ³	N/A	N/A	N/A	N/A	N/A
Urals crd ³	N/A	N/A	N/A	N/A	N/A
TR/J CRB ⁴	290.21	+0.46	+1.32	+5.37	+3.58

Readers may follow the ICU trade-weighted indices of the local-currency, the hryvnia (UAH), on the ICU website ([download history](#)) and Bloomberg (type: ALLX UTWI <GO>).

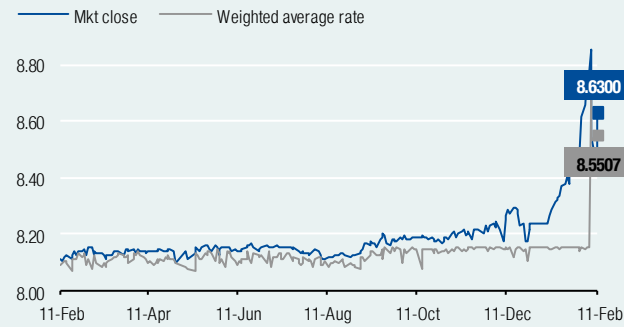
Section on FX market is continued on next page.

Notes: [1] trading volume in all foreign currencies (US\$m); [2] trading volume in the pair USD/UAH (US\$m); [3] crude oil price (USD per barrel); [4] the Thomson Reuters/Jefferies CRB Index. A green/-red-shaded box means gain or loss, respectively, of the investment into the asset. Currencies are gaining when their exchange rates strengthen versus USD.

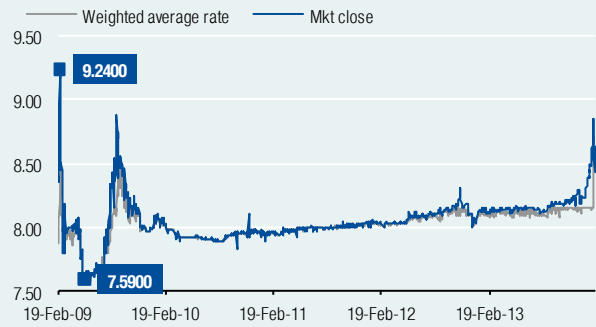
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart page #1: Foreign-exchange market

Chart 9. Spot market rates USD/UAH: last 12-month and 5-year periods (UAH per USD, left and right respectively)

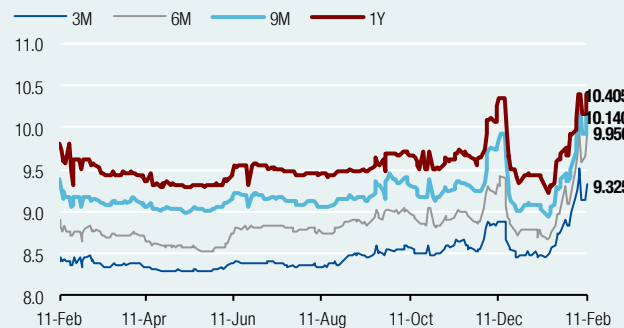


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

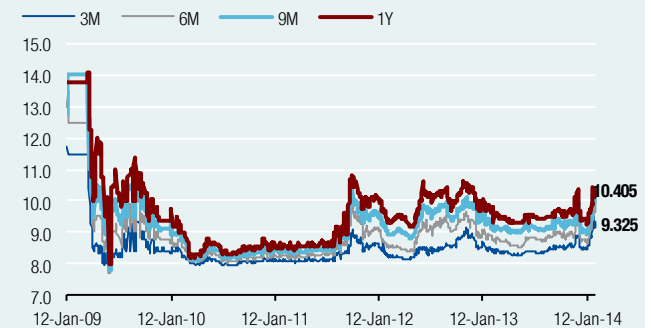


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

Chart 10. NDF market rates USD/UAH: last 12-month and 5-year periods (UAH per USD, left and right respectively)

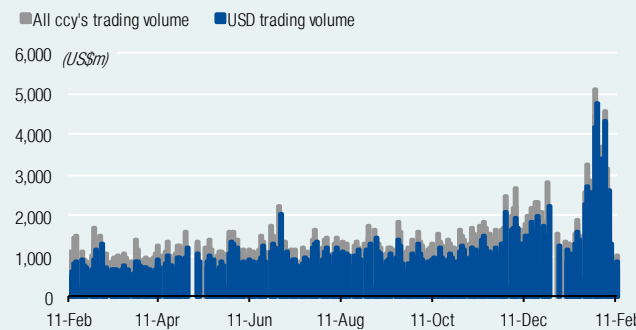


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.



Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

Chart 11. Trading volume: last 12-month and 5-year periods (US\$m, left and right respectively)



Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.



Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

Chart 12. 30D MA* ratio of FX market turnover to merchandise trade: last 12m and 5yr periods (% , left and right respectively)



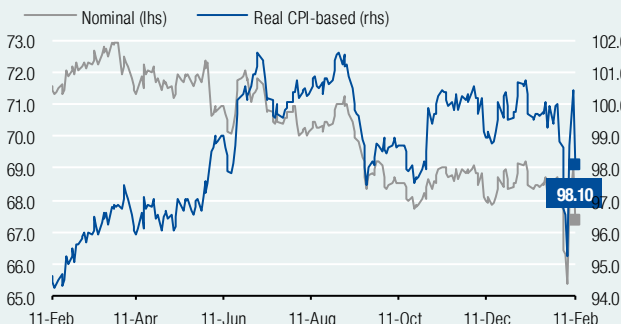
Note: * 30-day moving average; The boxes of the right chart show high and low values. Sources: NBU, State Statistics Service of Ukraine, Bloomberg, Investment Capital Ukraine LLC.



Chart page #2: ICU's UAH trade-weighted indices

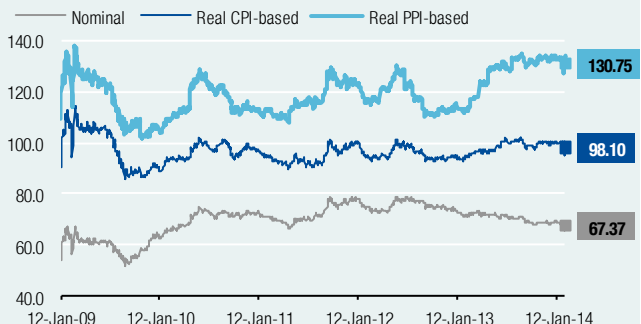
The following charts depict ICU's Ukrainian hryvnia trade-weighted indices which were calculated in accordance with methodology published in the [Quarterly Report "Keep the music playing"](#) dated 31 January 2013 and, then, updated, in the [Quarterly Report "Muddling through no more"](#) dated 14 August 2013.

Chart 13. Nominal and CPI-based real TWIs of UAH, history of last 12-month period



Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

Chart 14. Nominal, CPI- and PPI-based TWIs of UAH, history of last 5-year period

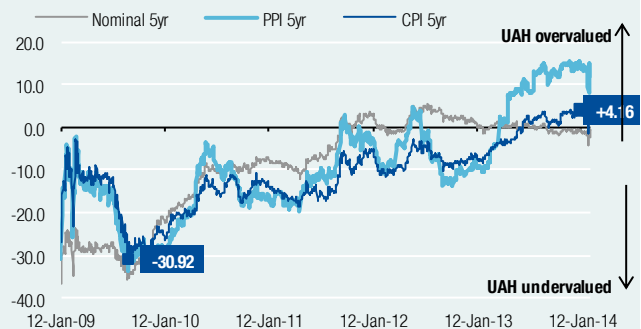


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

Chart 15. Deviation of UAH trade-weighted indices from their 5-year moving averages: last 12-month and 5-year periods (% , left and right respectively)

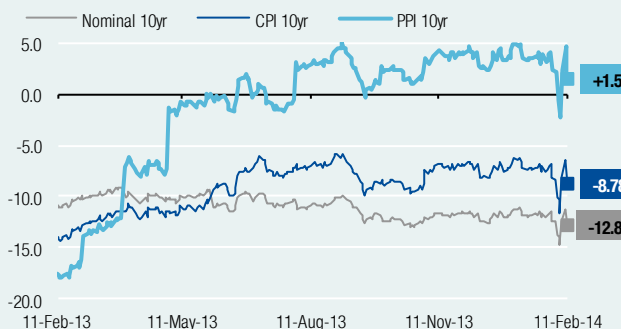


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.



Note: the boxes indicate the high and low values of CPI-based TWI.
Source: Investment Capital Ukraine LLC.

Chart 16. Deviation of UAH trade-weighted indices from their 10-year moving averages: last 12-month and 5-year periods (% , left and right respectively)



Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.



Note: the boxes indicate the high and low values of CPI-based TWI.
Source: Investment Capital Ukraine LLC.

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This research publication has been prepared by the analyst(s), whose name(s) appear on the front page of this publication. The analyst(s) hereby certifies that the views expressed within this publication accurately reflect her/his own views about the subject financial instruments or issuers and no part of her/his compensation was, is, or will be directly or indirectly related to the inclusion of specific recommendations or views within this research publication.

EQUITY RATING DEFINITIONS

Buy: Forecasted 12-month total return greater than 20%

Hold: Forecasted 12-month total return 0% to 20%

Sell: Forecasted 12-month total return less than 0%

Note: total return is share price appreciation to a target price in relative terms plus forecasted dividend yield.

DEBT RATING DEFINITIONS

Buy: Forecasted 12-month total return significantly greater than that of relevant benchmark

Hold: Forecasted 12-month total return is in line with or modestly deviates from relevant benchmark

Sell: Forecasted 12-month total return significantly less than that of relevant benchmark



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