



Focus
Ukraine

Scope
Economics, bonds, equity & FX markets

Research team
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Daily Insight

Additional primary auctions

Contents

Bonds: News & Comments	2
Liquidity continues to fall	2
Eurobonds slightly volatile	2
Additional primary auctions	2
Chart page: Local bond market & Eurobond markets	3
FX: News & Comments	5
Chart page #1: Foreign-exchange market	6
Chart page #2: ICU's UAH trade-weighted indices	7

MONDAY, 13 OCTOBER 2014

UX Index (3 months to 13 Oct 2014)



Source: UX.

Key market indicators (as of 10 Oct 2014)

	Last	Daily chg (%)	YTD chg (%)
FX & MONEY RATES			
USD/UAH	12.9500	+0.00	+57.16
USD/UAH (1Y NDF)	15.7500	+0.00	+67.20
EUR/USD	1.2628	-0.50	-8.11
USD/RUB	40.3652	+0.64	+22.80
KievPRIME O/N (%)	8.75	-5bp	+95bp
KievPRIME 1M (%)	15.63	-17bp	-62bp
SOVEREIGN EUROBONDS: yields and spreads			
Ukraine 15, Eurobond (%)	17.48	-2bp	+913bp
Ukraine 17, Eurobond (%)	14.20	+16bp	+464bp
Ukraine 22, Eurobond (%)	10.43	+10bp	+109bp
Ukraine 23, Eurobond (%)	10.35	+5bp	+131bp
Ukraine 5Y CDS	1,350bp	+75bp	+533bp
EQUITIES			
Stock market indices			
UX (Ukraine)	1,070.86	+1.83	+17.67
MSCI World	400.45	-1.61	-1.98
MSCI EM	989.87	-1.83	-1.28
RTS (Russia)	1,064.29	-2.25	-26.23
WIG-20 (Poland)	2,392.62	-1.33	-0.35
S&P 500 (USA)	1,906.13	-1.15	+3.13

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

Sources: Bloomberg, UX, Investment Capital Ukraine LLC.

Bonds: News & Comments

Liquidity continues to fall

Broader banking sector liquidity fell a significant UAH6.25bn to UAH43.02bn, the lowest level of this month, on Friday. Banks' correspondent accounts with the NBU declined UAH5.23bn to UAH26.32bn while total CDs outstanding declined UAH1.01bn to UAH12.41bn. Total local currency debt repayments scheduled for the next 30 days remained steady at UAH4.29bn.

KyivPrime interest rates slightly declined: the KyivPrime ON interest rate slid 5bp to 8.75% and the KyivPrime 1M interest rate fell 17bp to 15.63%.

Investment implications: Liquidity once more fell last Friday, most likely as a result of banks continuing to purchase FX at auctions held by the NBU. At the same time, liquidity should decline again today if the NBU provided no support to liquidity prior to last Friday's primary auction.

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Eurobonds slightly volatile

Ukrainian Eurobond spreads to the benchmark once more widened last Friday to the range of 803-1830bp, as the US Treasuries declined slightly, which caused the yield curve to move to the range of 11.11-18.73%. UKRAIN 6.875% '15 rose 124bp to 18.73%, UKRAIN 6.58% '16 was up 137bp to 15.38%, and UKRAIN 6.75% '17 and UKRAIN 9.25% '17 rose 87bp to 13.20% and 15.06, respectively. Moreover, UKRAIN 7.95% '21, UKRAIN 7.80% '22 and UKRAIN 7.50% '23 increased 76bp to 11.67%, 11.19% and 11.11%, respectively. The 5-year CDS rose to 1350bp.

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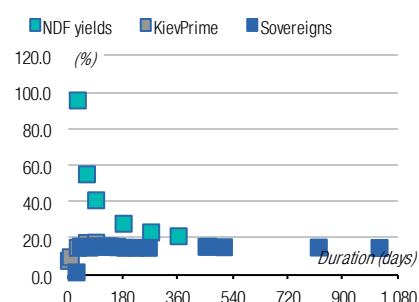
Additional primary auctions

The MoF amended its schedule last week and held an additional auction last Friday. The MoF offered 5-year bond, which is routinely offered when supported by domestic QE, and sold UAH1.60bn of these bonds at 14.25%, prices significantly below the market rate, last Friday. The MoF announced the same offering for today and most likely will sell more of this offering. We anticipate no market bids at either today's offering or for the auction scheduled for tomorrow.

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Yield curve of the local bond market

(as of market close on 10 Oct 2014)



Sources: Bloomberg, Investment Capital Ukraine LLC.

Bond market indicators (as of 10 Oct 2014)

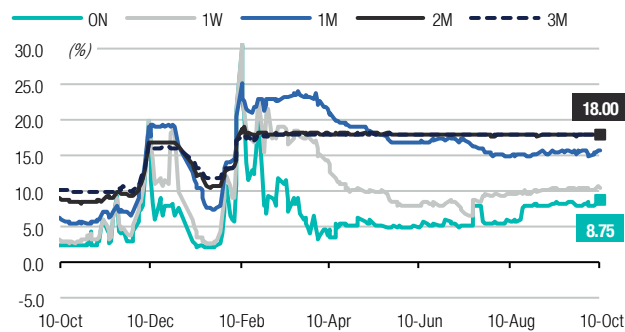
	Last	Daily	Weekly	MoM	YTD
	chg (%)	chg (%)	chg (%)	chg (%)	chg (%)
MONEY MARKET KIEV PRIME RATES (%)					
O/n	8.75	-5bp	+75bp	+37bp	+95bp
1wk	10.56	-24bp	+31bp	+25bp	+76bp
1m	15.63	-17bp	+63bp	+13bp	-62bp
2m	18.00	+0bp	+0bp	+0bp	+160bp
3m	18.00	+0bp	+0bp	+0bp	+200bp
LIQUIDITY WIDE MEASUREMENT (UAHm)					
CB acc's ¹	26,323	-16.58	-18.34	-11.51	-19.51
CDs ²	12,408	-7.55	+0.71	-2.89	+1,660.0
Sovgns ³	4,476	+0.00	-15.04	-26.79	+199.4
Total	43,207	-12.63	-13.28	-11.17	+23.79
HOLDERS OF UAH SOVEREIGN BONDS (UAHm)					
C.bank	267,642	+0.00	-0.27	+13.06	+84.77
Banks	84,592	-0.17	+0.10	-5.00	+5.52
Resid's ⁴	14,465	+0.53	+1.99	-66.04	+16.68
Non-res ⁵	19,388	-0.12	-0.71	-1.39	+65.73
Total	386,087	-0.02	-0.13	-0.50	+54.98
NDF IMPLIED YIELDS (%)					
3m	43.58	+0bp	-930bp	+17bp	+31bp
6m	28.91	+0bp	-465bp	+12bp	+16bp
9m	24.38	+0bp	-311bp	+846bp	+10bp
1yr	22.29	+0bp	-235bp	+690bp	+731bp
LOCAL CURRENCY UAH SOVEREIGN BOND YIELDS (%)					
Mar '13	N/A	-52ppt	+0bp	+0bp	+0bp
Jan '14	N/A	+320bp	+0bp	+0bp	-676bp
Aug '15 ⁶	N/A	+542bp	+0bp	+542bp	-81ppt
EUROBONDS USD SOVEREIGN BOND YIELDS (%)					
CDS 5yr	1,350	+75bp	+37bp	+297bp	+533bp
Jun '16	14.59	+0bp	-32bp	+160bp	+570bp
Jul '17	14.20	+16bp	-23bp	+141bp	+464bp
Sep '20	10.92	+2bp	-18bp	+17bp	+172bp
Sep '21	10.93	+1bp	-18bp	+9bp	+171bp
Sep '22	10.43	+10bp	-13bp	-23bp	+109bp
Feb '23	10.35	+5bp	-13bp	-26bp	+131bp

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.

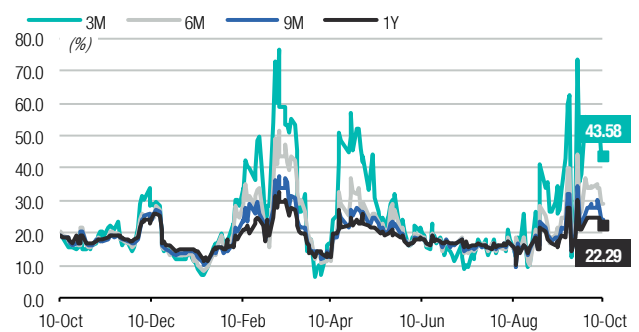
Chart page: Local bond market & Eurobond markets

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



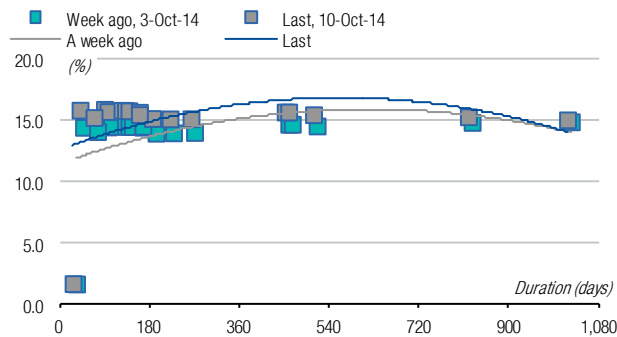
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



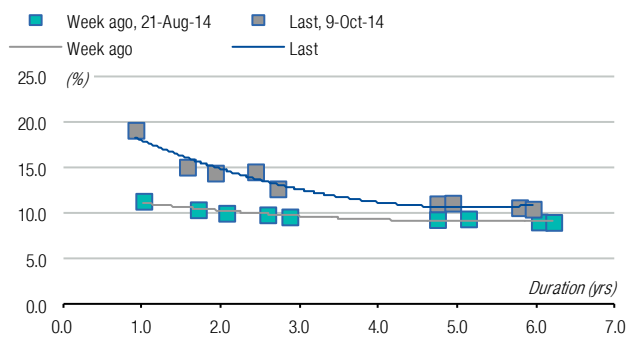
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 3. UAH sovereign yield curve (%) as of 10 Oct 2014



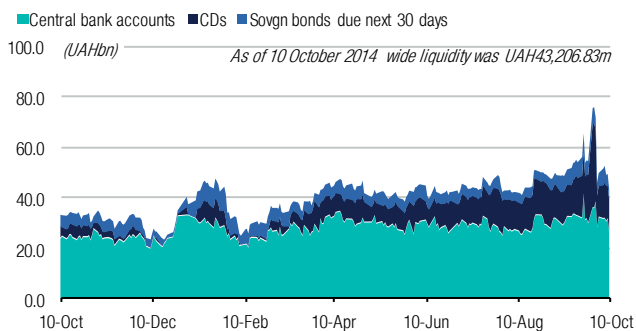
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 4. USD sovereign yield curve (%) as of 10 Oct 2014



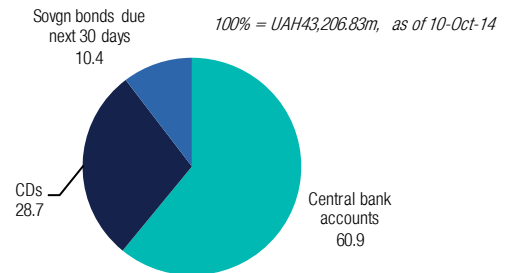
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



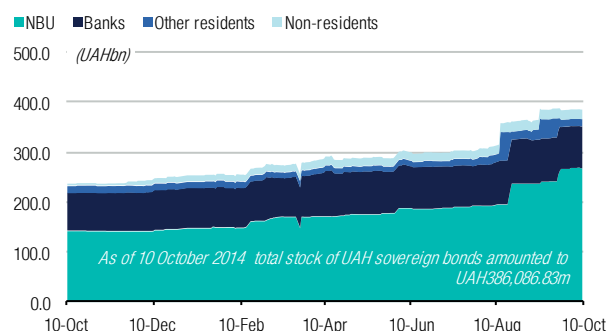
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 6. Breakdown of liquidity pool (%) as of 10 Oct 2014



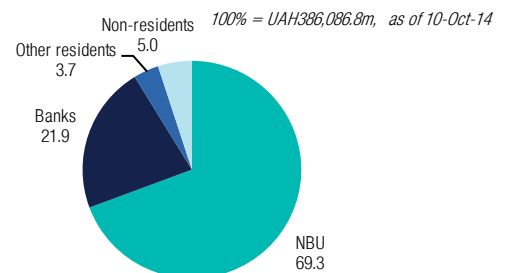
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

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



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

Chart 8. Domestic sovereign debt (%) as of 10 Oct 2014



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

Table 1. Ukrainian stocks (closing prices as of 10-Oct-2014)

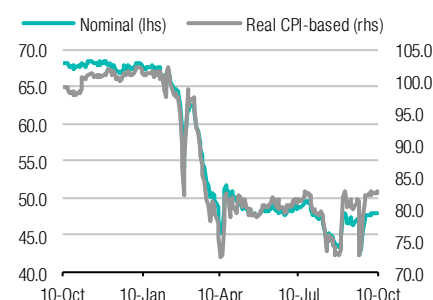
Company	Bloomberg Ticker	Listing	Share price performance (% change)					Valuation (US\$)			Free float (FF) & Liquidity					P/E			EV/EBITDA			EV/Sales			Ratios		
			Last price	Daily	MoM	YTD	YoY	Last price	Market cap (m)	EV (m)	FF (%)	FF mkt cap (US\$m)	Last day turnover (US\$ 000)	3M avg. turnover (US\$ 000)	FF share traded (%)	FF turnover (days)	2013	2014E	2014E	2013	2014E	2014E	2013	2014E	2014E	P/B (x)	Debt/Assets (%)
ENERGY																											
Cadogan Petrol...	CAD LN	London	11.00 GBp	+0.0	-6.4	+6.0	-24.1	0.18	40.9	-22.1	40.2	16.5	35.6	28.1	0.10	1,016	Neg.	N/A	N/A	3.4	N/A	N/A	Neg.	N/A	N/A	0.2	0.0
Centrenerg	CEEN UK	Kiev, UX	7.32 UAH	+0.0	-3.6	+53.4	+47.2	0.57	209.5	264.5	21.7	45.5	44.7	159.3	0.10	956	5.5	4.8	7.3	0.3	3.8	4.0	0.5	0.3	0.3	1.1	16.3
Coal Energy	CLE PW	Warsaw	0.88 PLN	-1.1	-16.2	-16.2	-68.1	0.27	12.0	137.9	25.0	3.0	0.3	48.0	0.90	111	Neg.	N/A	N/A	6.1	N/A	N/A	1.1	N/A	N/A	0.1	39.8
Donbasenergo	DOEN UK	Kiev, UX	28.79 UAH	+0.0	-2.4	+4.3	+23.6	2.23	52.8	114.3	14.2	7.5	0.9	23.7	0.13	753	1.3	1.3	1.3	0.1	1.9	1.5	0.3	0.2	0.3	1.0	25.1
JKX Oil & Gas	JKX LN	London	47.00 GBp	-3.6	+6.8	-34.3	-34.9	0.76	130.0	135.1	47.2	61.4	16.1	39.4	0.07	1,500	20.0	21.7	3.9	2.0	2.7	2.1	0.7	0.8	0.7	0.3	5.5
Regal Petroleum	RPT LN	London	7.00 GBp	+0.0	-12.3	-46.2	-53.3	0.11	36.2	11.1	80.9	29.2	0.0	9.1	0.04	2,545	Neg.	18.1	N/A	0.8	0.5	0.8	0.3	0.3	0.4	0.1	0.0
Zakhidenergo	ZAEN UK	Kiev, PFTS	142.10 UAH	+0.0	+10.2	+57.2	+65.2	11.02	140.9	231.1	5.0	7.0	1.1	2.1	0.05	2,149	3.1	N/A	N/A	1.5	N/A	N/A	0.3	N/A	N/A	1.2	0.0
METALLURGY																											
Alchevsky Meta...	ALMK UK	Kiev, UX	0.02 UAH	+0.0	-20.3	-37.6	-40.8	0.00	48.4	2,268.8	3.9	1.9	0.8	9.9	0.22	459	Neg.	Neg.	N/A	Neg.	Neg.	N/A	2.0	1.2	N/A	N/A	85.7
Avdiyivsky Cok...	AVDK UK	Kiev, UX	2.31 UAH	+0.0	-3.4	-22.0	-28.0	0.18	34.9	31.1	4.0	1.4	0.8	9.1	0.40	250	Neg.	225.1	0.6	0.1	0.6	0.3	0.1	0.0	0.0	0.1	0.1
Azovstal	AZST UK	Kiev, UX	0.65 UAH	+0.0	-9.4	-3.1	+2.4	0.05	211.5	N/A	4.1	8.7	40.3	12.1	0.21	466	Neg.	Neg.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.2	0.0
Ferrexpo PLC	FXPO LN	London	87.85 GBp	-4.5	-30.9	-52.7	-50.9	1.41	832.9	1,035.4	22.4	186.6	1,525.2	905.1	0.80	126	3.2	2.9	5.8	2.1	2.1	3.0	0.7	0.7	0.7	0.8	35.1
Yasynivsky Cok...	YASK UK	Kiev, UX	0.45 UAH	+0.0	-11.0	-14.3	-18.9	0.04	9.6	10.5	9.0	0.9	0.0	4.1	0.60	167	Neg.	0.9	0.5	0.1	0.4	0.3	0.0	0.0	0.0	0.1	0.0
Yenakievo Steel	ENMZ UK	Kiev, UX	25.55 UAH	+0.0	-8.8	-20.2	-23.8	1.98	20.9	10.7	9.4	2.0	0.5	9.6	0.25	396	Neg.	Neg.	N/A	1.9	0.3	N/A	0.0	0.0	N/A	1.2	0.0
FOOD AND AGRIBUSINESS																											
AgroGeneration	ALAGR FP	EN Paris	0.53 EUR	-5.4	-36.9	-57.3	-62.7	0.67	62.0	116.8	34.0	21.1	14.9	7.9	0.09	1,106	Neg.	N/A	N/A	Neg.	N/A	N/A	1.7	N/A	N/A	1.2	35.9
Agroliga	AGL PW	Warsaw	12.85 PLN	+0.1	-23.2	-50.4	-58.0	3.88	6.0	6.8	16.7	1.0	0.0	1.9	0.35	288	1.5	N/A	N/A	2.0	N/A	N/A	0.3	N/A	N/A	0.5	5.7
Agroton	AGT PW	Warsaw	1.85 PLN	-4.1	-13.6	-5.1	-26.9	0.56	12.1	57.4	26.2	3.2	13.6	59.2	0.91	109	Neg.	1.7	1.5	21.5	19.1	N/A	0.7	0.7	0.7	0.1	28.4
Astarta Holdin...	AST PW	Warsaw	35.36 PLN	-4.3	-5.8	-47.1	-50.9	10.69	267.2	514.1	31.0	82.9	0.7	112.5	0.27	364	8.2	26.4	4.1	6.8	4.1	4.6	1.1	1.1	1.1	0.7	38.2
Avangard	AVGR LI	London Intl	7.30 USD	-2.7	-11.8	-37.9	-34.8	7.30	466.3	600.0	21.7	101.2	23.8	110.7	0.09	1,055	2.0	3.2	2.8	2.0	3.4	3.3	0.9	1.0	0.9	0.5	17.8
IMC	IMC PW	Warsaw	6.70 PLN	-1.3	-17.7	-44.9	-55.5	2.03	63.4	204.5	23.9	15.1	1.4	21.0	0.15	655	2.4	Neg.	1.6	3.8	3.8	3.7	1.8	1.1	1.1	0.4	38.7
Kernel Holding...	KER PW	Warsaw	24.06 PLN	-1.8	-3.4	-36.8	-55.0	7.27	579.6	1,486.2	58.8	340.6	466.6	872.5	0.19	521	5.2	79.4	4.0	5.1	7.1	4.7	0.5	0.6	0.6	0.5	30.6
KSG Agro	KSG PW	Warsaw	1.16 PLN	-2.5	-25.2	-89.3	-90.4	0.35	5.3	116.4	34.4	1.8	16.3	186.3	6.78	15	Neg.	0.4	0.3	4.4	N/A	N/A	1.6	1.2	1.0	0.3	44.0
MHP	MHPC LI	London Intl	11.50 USD	-4.1	-6.1	-32.6	-23.8	11.50	1,215.2	2,425.5	22.3	271.2	0.1	1,211.9	0.26	390	7.8	10.7	4.2	6.2	5.1	4.8	1.6	1.7	1.5	2.1	47.0
Milkiland	MLK PW	Warsaw	3.50 PLN	+0.0	-25.5	-72.0	-73.1	1.06	33.1	160.5	20.0	6.6	2.0	6.8	0.23	431	2.4	Neg.	7.7	4.8	4.2	4.6	0.4	0.4	0.4	0.2	30.8
Mriya Agrohold...	MAYA GF	Frankfurt	0.90 EUR	-32.8	-49.7	-83.3	-79.8	1.14	121.2	849.0	20.0	24.2	0.0	1.9	0.01	16,612	1.4	1.4	0.5	5.1	3.1	2.8	1.7	2.0	2.0	0.3	45.3
Ovostar Union	OVO PW	Warsaw	67.15 PLN	-1.9	-4.1	-32.9	-32.0	20.30	121.8	129.4	25.0	30.4	5.1	27.9	0.05	1,918	4.0	6.2	6.1	3.5	4.9	4.6	1.4	1.7	1.4	0.9	8.5
CONSTRUCTION																											
TMM	TR61 GF	Xetra	0.22 EUR	-0.9	-5.7	-31.5	-48.3	0.28	14.2	189.8	13.1	1.9	0.0	0.2	0.01	13,175	Neg.	N/A	N/A	Neg.	N/A	N/A	5.6	N/A	N/A	0.1	45.5
FINANCIAL SERVICES																											
Raiffeisen Ban...	BAVL UK	Kiev, UX	0.12 UAH	+0.0	-7.7	+8.5	+40.1	0.01	286.1	N/A	3.8	10.9	19.8	19.2	0.14	707	3.6	Neg.	12.6	N/A	N/A	N/A	N/A	N/A	N/A	0.5	22.4
Ukrsotsbank	USCB UK	Kiev, UX	0.14 UAH	+0.0	-19.0	-28.0	-26.2	0.01	189.8	N/A	4.5	8.5	0.1	3.7	0.01	8,972	Neg.	10.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.3	28.2

Notes: mln - 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; *** - P/E is above 10,000x. Sources: Bloomberg, ICU.

FX: News & Comments

ICU's UAH trade-weighted indices

(Last 12-month history to 13 Oct 2014)



Source: Investment Capital Ukraine LLC.

FX market indicators (as of 10 Oct 2014)

	Last	Daily	Weekly	MoM	YTD
	chg (%)	chg (%)	chg (%)	chg (%)	chg (%)
USD/UAH MARKET (HRYVNIA per US DOLLAR)					
Spot mkt	12.9500	+0.00	+0.00	+0.39	+57.16
NBU avg	12.9500	+0.15	+0.07	-0.01	+58.88
Ttl vlm ¹	419.67	+7.04	+73.39	-31.86	-85.02
\$ volume ²	340.60	+8.86	+96.05	+45.52	-84.59
NDF 3M	14.3500	+0.00	-2.05	+4.48	+69.12
NDF 6M	14.8000	+0.00	-1.99	+5.71	+68.56
NDF 1Y	15.7500	+0.00	-1.87	+6.42	+67.20
TRADE-WEIGHTED INDICES (TWIs, points)					
UAH nom'l	48.002	+0.46	+0.00	+3.27	-28.93
UAH real CPI	82.629	+0.46	+0.00	+3.27	-18.25
UAH real PPI	125.561	+0.46	+0.00	+3.27	-9.53
USD nom'l	85.912	+0.46	-0.90	+1.93	+7.34
FX RATES OF KEY CURRENCIES THAT SHAPE UAH's TWIs					
USD/RUB	40.3652	+0.64	+1.07	+8.15	+22.80
EUR/USD	1.2628	-0.50	+0.89	-2.24	-8.11
USD/CNY	6.1310	+0.01	-0.14	+0.02	+1.27
USD/PLN	3.3171	+0.71	-0.94	+2.08	+9.73
USD/TRY	2.2875	+0.79	-0.34	+4.34	+6.48
USD/BYR	10,690.00	+0.33	+0.61	+1.76	+12.05
USD/KZT	181.8000	+0.00	-0.10	-0.10	+17.85
OTHER MAJOR CURRENCIES					
USD/JPY	107.6600	-0.17	-1.91	+0.75	+2.23
GBP/USD	1.6076	-0.25	+0.64	-0.83	-2.91
USD/CHF	0.9571	+0.28	-1.07	+2.18	+7.19
AUD/USD	0.8686	-1.10	+0.13	-5.12	-2.59
USD/CAD	1.1199	+0.13	-0.40	+2.39	+5.42
USD/BRL	2.4291	+1.28	-1.19	+6.14	+2.84
USD/KRW	1,070.45	+0.57	+0.79	+3.44	+1.97
COMMODITIES					
Gold(\$/oz)	1,223.09	-0.10	+2.66	-2.14	+1.45
WTI crude ³	85.82	+0.06	-4.37	-6.38	-12.80
Brent crd ³	89.63	+1.48	-1.90	-7.79	-19.12
Urals crd ³	N/A	+0.00	+0.00	+0.00	+0.00
TR/J CRB ⁴	275.60	-0.29	-0.27	-2.83	-1.63

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

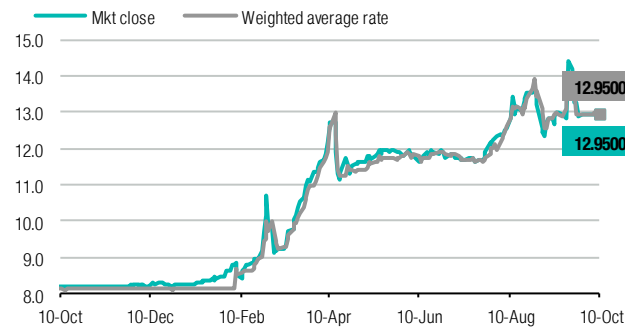
Section on FX market is continued on next page.

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.

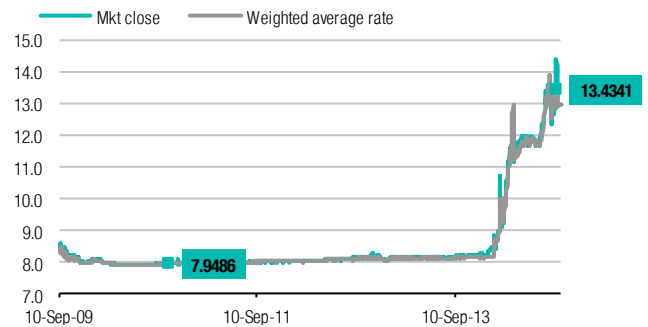
Sources: Bloomberg, Investment Capital Ukraine LLC.

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)

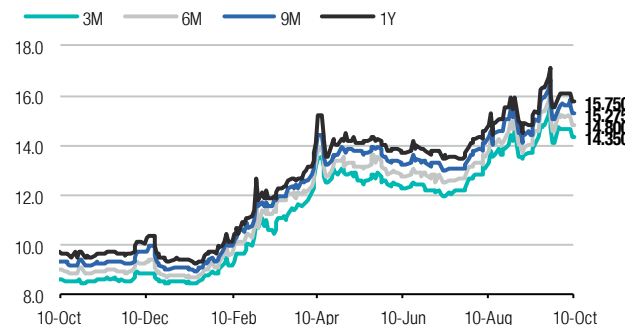


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

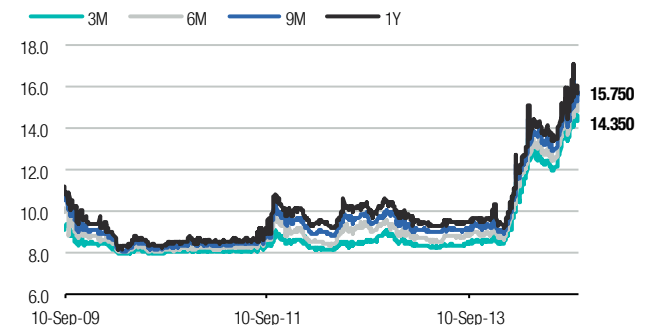


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

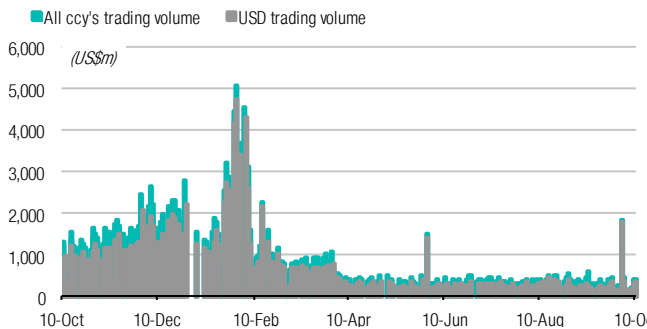


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

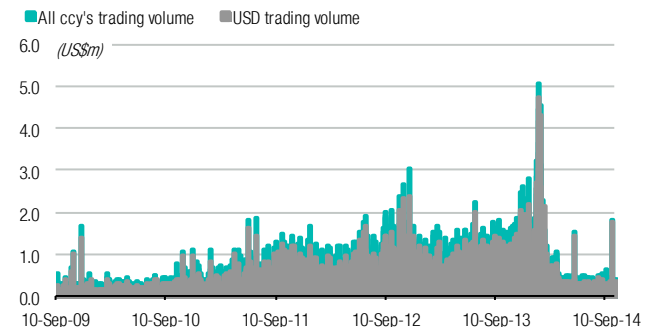


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

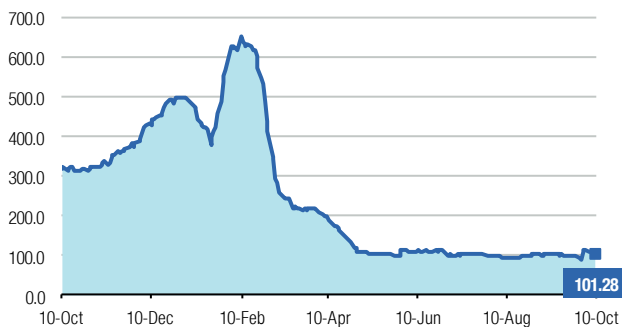


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.



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)

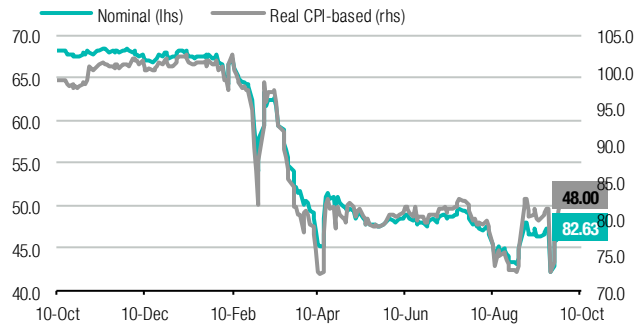


Note: * 30-day moving average; The boxes of the right chart show high and low values. Sources: NBU, State Statistics Service of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

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

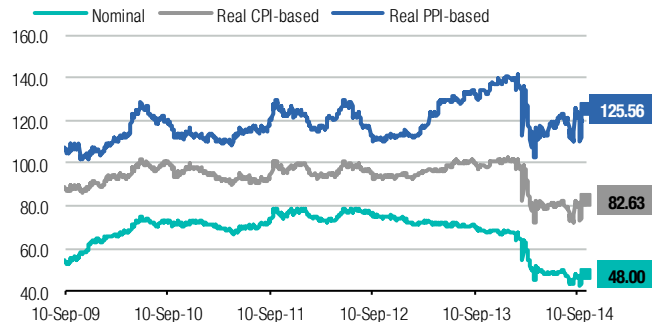
The following charts depict ICU's Ukrainian hryvnia trade-weighted indices which were calculated in accordance with methodology published in the [Quarterly Report "Keep the music playing"](#) dated 31 January 2013 and, then, updated, in the [Quarterly Report "Muddling through no more"](#) dated 14 August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

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



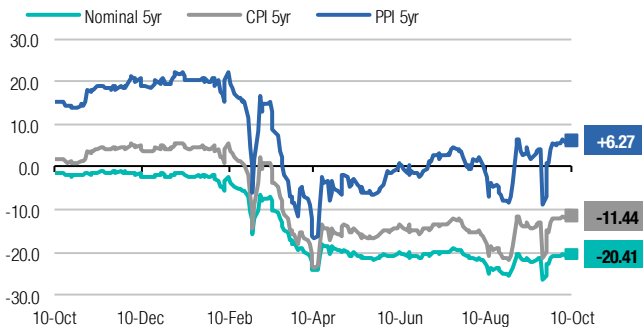
Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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

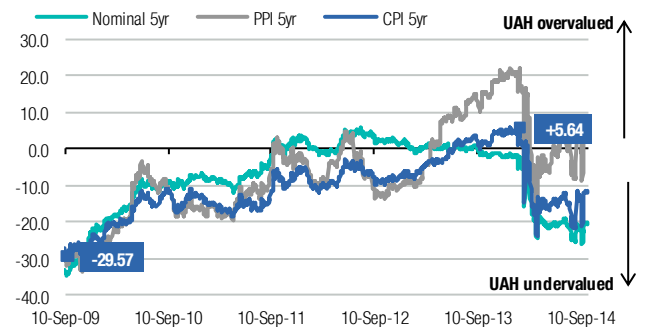


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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)

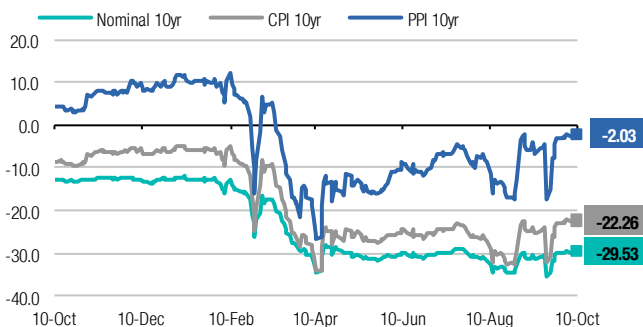


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

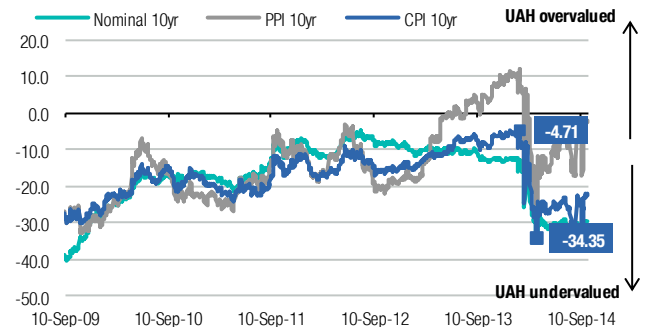


Note: the boxes indicate the high and low values of CPI-based TWI.
Source: Investment Capital Ukraine LLC.

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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Disclosures

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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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