



Focus
Ukraine

Scope
Economics, bonds, equity & FX markets

Research team
**Alexander Valchyshen
Taras Kotovych**

Daily Insight

UAH trades inside band

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FRIDAY, 11 SEPTEMBER 2015

UX Index (3 months to 11 Sep 2015)



Source: UX.

Key market indicators (as of 10 Sep 2015)

	Last	Daily chg (%)	YTD chg (%)
FX & MONEY RATES			
USD/UAH	21.4500	-2.92	+35.59
USD/UAH (1Y NDF)	25.7300	-2.33	+39.46
EUR/USD	1.1280	+0.65	-6.76
USD/RUB	67.7157	-1.22	+11.49
KievPRIME O/N (%)	19.00	+0bp	+10bp
KievPRIME 1M (%)	24.00	+0bp	+410bp
SOVEREIGN EUROBONDS: yields and spreads			
Ukraine 15, Eurobond (%)	1,208.84	+13,313bp	+114,707bp
Ukraine 17, Eurobond (%)	26.26	+2bp	-150bp
Ukraine 22, Eurobond (%)	13.03	+0bp	-322bp
Ukraine 23, Eurobond (%)	12.48	+0bp	-308bp
Ukraine 5Y CDS	1,135bp	+0bp	-1,064bp
EQUITIES			
Stock market indices			
UX (Ukraine)	992.10	+0.23	-3.99
MSCI World	391.69	-0.22	-6.10
MSCI EM	804.16	-0.66	-15.91
RTS (Russia)	800.49	+0.48	+1.70
WIG-20 (Poland)	2,184.96	+1.98	-5.66
S&P 500 (USA)	1,952.29	+0.53	-5.18

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

Investor group rejects restructuring terms

An anonymous investor group represented by a law firm rejected the recent terms of a debt restructuring agreed upon by the ad-hoc committee. The reason stated is that the group holds mostly short-term bonds for which the debt maturity will increase significantly in proportion to that of the other bondholders. Moreover, the group requested other bondholders to join their committee to receive better conditions.

Investment implications: Although the law firm did not disclose the names and portion of the bonds in the group's holding, Bloomberg reported that the group holds less than 25% of UKRAIN 6.875% '15. Moreover, Franklin Templeton and TCW hold about 46% of UKRAIN 6.875% '15 according to the Bloomberg article, while the real distribution of bonds is unavailable. This new committee could amalgamate 25% of votes to block the voting on this particular bond. While this general situation could result in hold-outs for these creditors or this bond, the terms approved by the government do include an exception for which the MoF and creditors could agree on changes in the short-term debt distribution to facilitate this transaction. So, holders of UKRAIN 6.875% '15 could receive more bonds maturing in 2019 or 2020 than in 2021-2027 to equalize bond maturity extension.

Taras Kotovych, Kiev, +38044 2200120 ext.724

Liquidity recovers

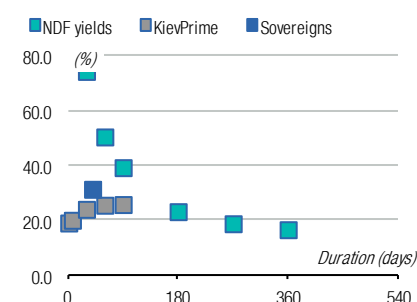
After several liquidity indicators fell dramatically on Wednesday, liquidity rebounded significantly yesterday. Banking sector liquidity rose UAH2.82bn to UAH71.35bn yesterday to the level seen at the end of last week, recovering the billions lost at the beginning of this week. Banks' correspondent accounts with the NBU were up UAH2.32bn to UAH22.02bn while total CDs outstanding rose a mere UAH0.51bn to UAH49.33bn.

Investment implications: Liquidity should continue to rise today and next week, as is routine for the second week of the month. We could see an increase in banks' accounts as well as in CDs outstanding, which could exceed the UAH50.63bn record high set last month. At the CD tender held by the NBU on Wednesday, the regulator offered 30-day and 3-month CDs, which were sold at UAH1.89bn and UAH0.12bn respectively. A week ago, 1-month CDs were sold at a similar volume while demand for 3-month CDs fell nearly 4.6 times from UAH0.57bn to UAH0.12bn. While this is by no means negative, it is not positive, indicating that liquidity could be unstable and might experience challenges in December.

Taras Kotovych, Kiev, +38044 2200120 ext.724

Yield curve of the local bond market

(as of market close on 10 Sep 2015)



Sources: Bloomberg, Investment Capital Ukraine LLC.

Bond market indicators (as of 10 Sep 2015)

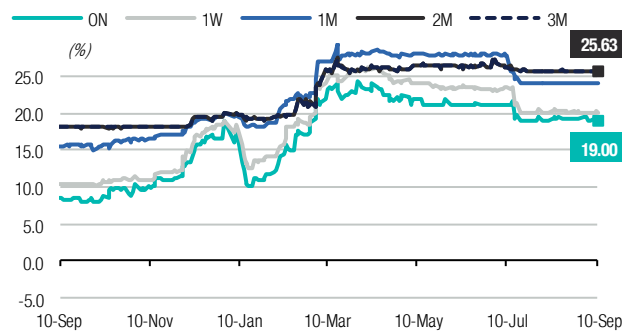
	Last	Daily	Weekly	MoM	YTD
	chg (%)	chg (%)	chg (%)	chg (%)	chg (%)
MONEY MARKET KIEV PRIME RATES (%)					
O/n	19.00	+0bp	+0bp	-20bp	+10bp
1wk	20.00	-17bp	+0bp	-20bp	+100bp
1m	24.00	+0bp	+0bp	+0bp	+410bp
2m	25.63	-4bp	+13bp	+3bp	+563bp
3m	25.63	-20bp	-4bp	-7bp	+563bp
LIQUIDITY WIDE MEASUREMENT (UAHm)					
CB acc's ¹	22,021	+11.75	-5.00	-8.36	-33.77
CDs ²	49,331	+1.04	+3.51	+3.08	+212.5
Sovgns ³	4,791	+0.00	+5.85	-33.60	+5.74
Total	76,144	+3.85	+1.03	-3.74	+42.14
HOLDERS OF UAH SOVEREIGN BONDS (UAHm)					
C.bank	365,076	-0.01	-0.02	+0.11	+14.76
Banks	81,750	-1.55	-0.67	+0.01	-12.50
Resid's ⁴	21,091	-0.19	+0.26	+0.68	-14.09
Non-res ⁵	21,830	-1.70	-0.12	+1.62	+1.33
Total	489,747	-0.35	-0.12	+0.19	+7.01
NDF IMPLIED YIELDS (%)					
3m	N/A	N/A	N/A	N/A	N/A
6m	N/A	N/A	N/A	N/A	N/A
9m	N/A	N/A	N/A	N/A	N/A
1yr	N/A	N/A	N/A	N/A	N/A
LOCAL CURRENCY UAH SOVEREIGN BOND YIELDS (%)					
Mar '13	N/A	N/A	N/A	N/A	N/A
Jan '14	N/A	N/A	N/A	N/A	N/A
Aug '15 ⁶	N/A	N/A	N/A	N/A	N/A
EUROBONDS USD SOVEREIGN BOND YIELDS (%)					
CDS 5yr	1,135	+0bp	-34bp	-975bp	-11ppt
Jun '16	47.52	+16bp	-337bp	-43ppt	+11bp
Jul '17	26.26	+2bp	-170bp	-19ppt	-150bp
Sep '20	14.62	+0bp	-72bp	-835bp	-422bp
Sep '21	14.43	+0bp	-68bp	-729bp	-411bp
Sep '22	13.03	+0bp	-52bp	-605bp	-322bp
Feb '23	12.48	+0bp	-50bp	-570bp	-308bp

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.

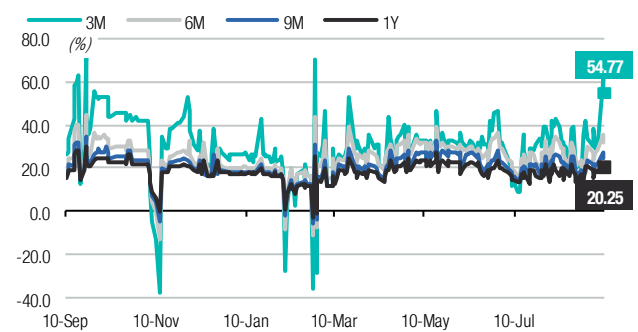
Chart page: Local bond market & Eurobond markets

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



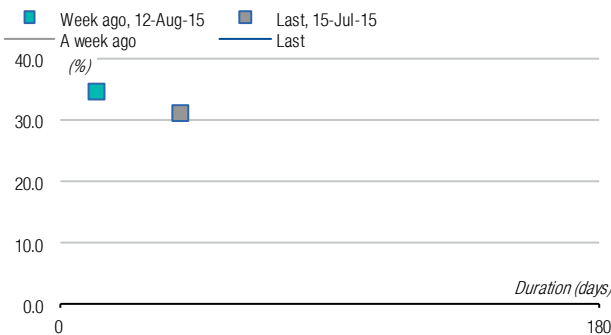
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



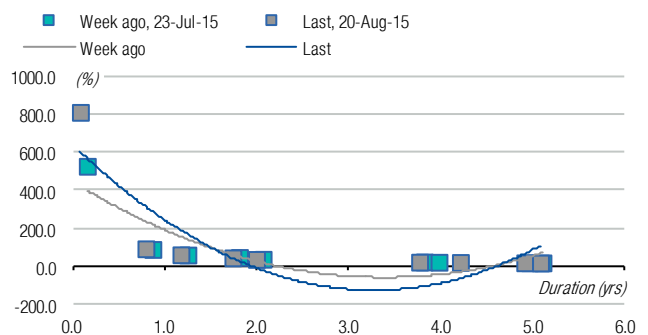
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 3. UAH sovereign yield curve (%) as of 10 Sep 2015



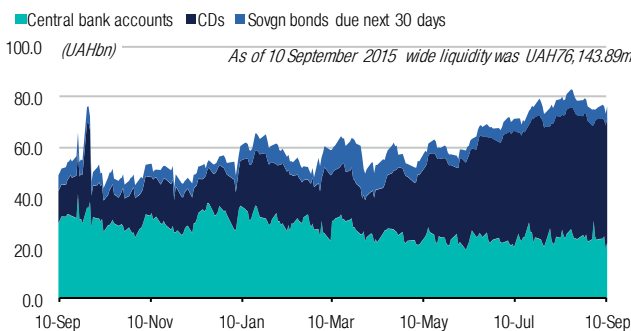
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 4. USD sovereign yield curve (%) as of 10 Sep 2015



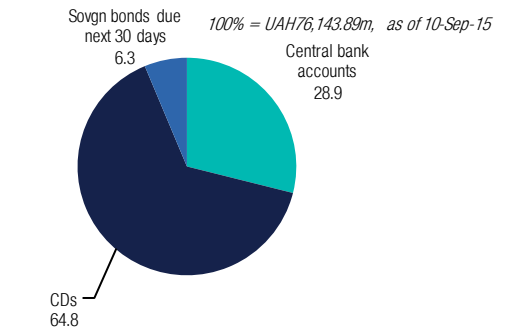
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



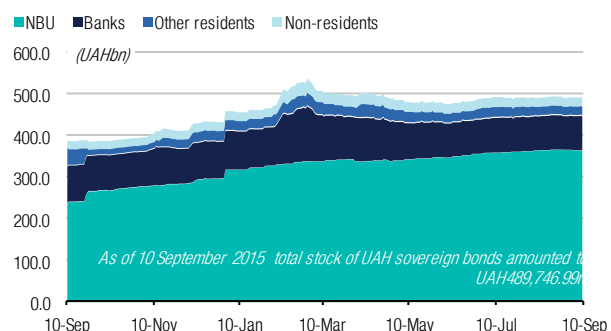
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 6. Breakdown of liquidity pool (%) as of 10 Sep 2015



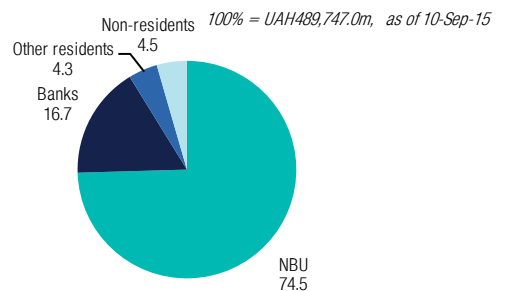
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

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 Sep 2015



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

Table 1. Ukrainian stocks (closing prices as of 10-Sep-2015)

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)	2014	2015E	2016E	2014	2015E	2016E	2014	2015E	2016E	P/B (x)	Debt/ Assets (%)
ENERGY																											
Cadogan Petrol...	CAD LN	London	11.38 GBp	+0.0	+11.0	+13.8	-3.2	0.18	40.6	-8.5	40.2	16.3	6.6	32.2	0.11	922	Neg.	N/A	N/A	1.2	N/A	N/A	Neg.	N/A	N/A	0.5	15.3
Centrenergo	CEEN UK	Kiev, UX	7.37 UAH	+0.0	-0.3	-2.3	-1.6	0.34	125.4	134.7	21.7	27.2	3.7	13.7	0.03	3,529	38.6	Neg.	6.2	0.4	Neg.	N/A	0.4	0.3	0.2	1.3	4.2
Coal Energy	CLE PW	Warsaw	0.70 PLN	+2.9	+0.0	+12.9	-33.3	0.19	8.4	81.0	25.0	2.1	4.0	2.1	0.09	1,084	Neg.	N/A	N/A	11.1	N/A	N/A	0.7	N/A	N/A	0.3	56.9
Donbasenergo	DOEN UK	Kiev, UX	19.90 UAH	+0.0	-0.5	-39.7	-30.2	0.92	21.7	32.0	14.2	3.1	2.4	4.6	0.21	475	4.7	Neg.	N/A	0.0	9.1	N/A	0.1	0.2	N/A	0.4	13.6
JKX Oil & Gas	JKX LN	London	15.75 GBp	+0.8	+0.0	+31.3	-64.2	0.24	41.9	52.6	47.2	19.8	9.7	57.5	0.76	132	Neg.	Neg.	Neg.	Neg.	1.1	N/A	0.4	0.4	0.7	0.2	9.9
Regal Petroleum	RPT LN	London	4.13 GBp	+6.3	-25.3	+32.0	-46.8	0.06	20.4	-11.4	80.9	16.5	12.9	2.7	0.02	4,102	3.6	6.8	N/A	Neg.	Neg.	N/A	Neg.	Neg.	N/A	0.2	0.0
Zakhidenergo	ZAEN UK	Kiev, PFTS	130.00 UAH	+0.0	-13.3	-12.2	+0.8	5.99	76.6	111.3	5.0	3.8	0.0	0.1	0.00	50,309	Neg.	N/A	N/A	0.1	N/A	N/A	0.2	N/A	N/A	0.6	11.6
METALLURGY																											
Alchevsky Meta...	ALMK UK	Kiev, UX	0.01 UAH	+0.0	+8.9	+1.4	-50.8	0.00	17.5	1,909.7	3.9	0.7	0.0	0.5	0.02	6,651	Neg.	Neg.	N/A	0.6	Neg.	N/A	2.8	6.3	N/A	N/A	145.5
Avdiyivsky Cok...	AVDK UK	Kiev, UX	1.15 UAH	+0.0	+4.6	-33.5	-51.7	0.05	10.3	9.7	4.0	0.4	0.5	1.3	0.28	356	Neg.	Neg.	N/A	Neg.	Neg.	N/A	0.0	0.0	N/A	0.0	0.0
Azovstal	AZST UK	Kiev, UX	0.80 UAH	+0.0	+1.7	+7.1	+15.7	0.04	154.6	102.9	4.1	6.3	0.3	2.8	0.02	5,525	3.7	2.8	N/A	0.0	0.9	N/A	0.1	0.1	N/A	0.2	0.0
Ferrexpo PLC	FXPO LN	London	56.50 GBp	-6.6	-11.7	+15.5	-51.9	0.87	513.8	1,170.4	22.4	115.1	574.6	513.5	0.44	227	2.9	5.2	10.6	3.7	4.5	6.1	0.8	1.1	1.1	1.1	61.1
Yasynivsky Cok...	YASK UK	Kiev, UX	0.27 UAH	+0.0	-25.0	-3.6	-46.0	0.01	3.4	4.1	9.0	0.3	0.0	0.2	0.01	19,122	Neg.	8.2	N/A	Neg.	Neg.	N/A	0.0	0.0	N/A	0.1	0.0
Yenakievo Steel	ENMZ UK	Kiev, UX	16.93 UAH	+0.0	+0.1	-19.2	-41.3	0.78	8.2	0.5	9.4	0.8	0.0	2.8	0.27	369	Neg.	Neg.	N/A	0.0	0.0	N/A	0.0	0.0	N/A	0.2	0.0
FOOD AND AGRIBUSINESS																											
AgroGeneration	ALAGR FP	EN Paris	0.46 EUR	+2.2	-16.4	+7.0	-45.2	0.52	47.9	96.7	34.0	16.3	36.8	35.2	0.08	1,182	Neg.	Neg.	2.7	Neg.	4.1	3.1	1.3	1.3	1.1	1.0	35.9
Agroliga	AGL PW	Warsaw	10.55 PLN	-0.5	-10.4	+17.2	-34.1	2.83	4.3	5.1	16.7	0.7	0.4	1.3	0.16	633	1.2	N/A	N/A	1.5	N/A	N/A	0.3	N/A	N/A	0.4	5.7
Agroton	AGT PW	Warsaw	1.06 PLN	+1.0	-13.1	-13.8	-50.2	0.28	6.2	33.5	26.2	1.6	1.6	14.5	0.39	257	Neg.	N/A	N/A	1.5	N/A	N/A	0.6	N/A	N/A	0.1	33.4
Astarta Holdin...	AST PW	Warsaw	28.97 PLN	-0.4	-16.0	+44.9	-22.1	7.76	194.0	426.5	31.0	60.2	0.5	66.4	0.10	1,026	Neg.	10.8	3.2	3.6	3.8	1.1	1.1	1.0	0.8	49.6	
Avangard	AVGR LI	London Intl	0.23 USD	-8.0	-77.2	-88.8	-97.2	0.23	14.7	276.9	21.7	3.2	49.1	3.8	0.48	207	Neg.	Neg.	Neg.	2.1	4.9	3.4	0.7	0.9	0.9	0.0	33.1
IMC	IMC PW	Warsaw	5.06 PLN	-2.7	-1.7	-10.8	-39.5	1.36	42.4	142.9	23.9	10.1	0.8	11.4	0.03	2,995	Neg.	3.4	1.4	2.5	2.5	2.6	1.0	0.8	0.8	1.6	69.8
Kernel Holding...	KER PW	Warsaw	42.99 PLN	-1.8	-3.2	+51.1	+72.3	11.52	917.7	1,392.0	58.8	539.3	2,375.5	1,403.1	0.24	413	Neg.	6.6	4.7	6.2	3.5	3.9	0.6	0.6	0.6	1.1	39.1
KSG Agro	KSG PW	Warsaw	1.00 PLN	+0.0	-9.1	-10.7	-29.1	0.27	4.0	69.1	34.4	1.4	1.7	11.1	0.59	170	Neg.	0.2	N/A	6.9	N/A	N/A	2.1	0.6	N/A	N/A	67.4
MHP	MHPC LI	London Intl	9.21 USD	+0.1	+1.8	+0.1	-23.3	9.21	973.2	2,199.0	22.3	217.2	492.7	470.4	0.25	403	Neg.	5.3	3.6	4.0	4.4	4.4	1.6	1.7	1.6	1.4	53.0
Milkiland	MLK PW	Warsaw	1.00 PLN	+4.2	-16.0	-32.4	-78.7	0.27	8.4	123.6	20.0	1.7	2.7	15.0	0.61	164	Neg.	Neg.	Neg.	9.0	5.1	6.4	0.4	0.5	0.5	0.1	42.5
Ovostar Union	OVO PW	Warsaw	84.50 PLN	+1.8	+5.0	+17.4	+20.7	22.64	135.8	146.0	25.0	34.0	0.3	21.1	0.05	2,147	5.4	5.8	9.0	5.0	5.4	6.9	1.9	1.9	2.4	1.6	9.4
CONSTRUCTION																											
TMM	TR61 GF	Frankfurt	0.01 EUR	+0.0	-76.0	-85.0	-94.8	0.01	0.7	93.6	13.1	0.1	0.0	0.0	0.05	2,062	Neg.	N/A	N/A	Neg.	N/A	N/A	3.6	N/A	N/A	0.0	41.9
FINANCIAL SERVICES																											
Raiffeisen Ban...	BAVL UK	Kiev, UX	0.09 UAH	+0.0	+0.1	-5.8	-31.6	0.00	124.9	N/A	3.8	4.8	1.0	4.8	0.08	1,330	N/A	Neg.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.7	N/A
Ukrsotsbank	USCB UK	Kiev, UX	0.11 UAH	+0.0	+5.0	-19.3	-31.7	0.00	119.4	N/A	4.5	5.3	0.0	1.0	0.01	6,703	Neg.	Neg.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.4	38.2

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

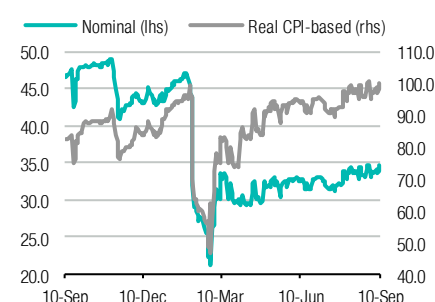
UAH trades inside band, markets await Fed rate decision

The foreign exchange market remains within a right range and possibly is over-regulated as the UAH continues to trade within the 21-23/USD range for months now. Despite officials' indications of the imminent lifting of capital controls, we believe there will be no serious concessions until the external debt restructuring is formally ratified by the government and bondholders. As far as the Russian debt is concerned, we anticipate any resolution no earlier than November or one month before the maturity date. Following the regional elections, politicians will have more leverage to come to a compromise without risking their re-elections. The IMF's official position will most likely not be revealed until November as well. As global markets anticipate next week's scheduled US Fed rate decision, the prevailing view is that it could postpone a hike to December at the earliest.

Alexander Valchyshen, Kiev, +38044 2200120 ext.242

ICU's UAH trade-weighted indices

(Last 12-month history to 11 Sep 2015)



Source: Investment Capital Ukraine LLC.

FX market indicators (as of 10 Sep 2015)

	Last	Daily	Weekly	MoM	YTD
	chg (%)	chg (%)	chg (%)	chg (%)	chg (%)
USD/UAH MARKET (HRYVNIA per US DOLLAR)					
Spot mkt	21.4500	-2.92	-2.74	+0.59	+35.59
NBU avg	21.7390	-1.05	-1.26	+2.24	+37.86
Ttl vlm ¹	338.64	+21.11	+26.62	+47.34	-21.41
\$ volume ²	250.32	+24.04	+19.75	+63.78	-29.35
NDF 3M	23.3800	-6.83	-1.09	+0.05	+38.75
NDF 6M	24.7300	-3.38	-1.03	+0.05	+42.13
NDF 1Y	25.7300	-2.33	-1.00	+5.02	+39.46
TRADE-WEIGHTED INDICES (TWIs, points)					
UAH nom'l	34.701	+2.49	+3.16	+2.52	-21.96
UAH real CPI	100.165	+2.49	+3.16	+2.52	+15.74
UAH real PPI	120.460	+2.49	+3.16	+2.52	+2.29
USD nom'l	95.456	-0.58	-0.98	-2.24	+5.75
FX RATES OF KEY CURRENCIES THAT SHAPE UAH's TWIs					
USD/RUB	67.7157	-1.22	+1.89	+7.57	+11.49
EUR/USD	1.1280	+0.65	+1.41	+2.92	-6.76
USD/CNY	6.3772	-0.02	+0.34	+2.70	+2.77
USD/PLN	3.7340	-0.70	-1.44	-2.28	+5.37
USD/TRY	3.0227	-0.45	+1.75	+8.77	+29.45
USD/BYR	17,843.00	+0.17	+1.48	+13.65	+62.21
USD/KZT	251.6800	+0.65	+4.93	+33.96	+38.02
OTHER MAJOR CURRENCIES					
USD/JPY	120.6200	+0.10	+0.46	-3.09	+0.70
GBP/USD	1.5445	+0.50	+1.23	-0.30	-0.85
USD/CHF	0.9732	-0.24	-0.01	-0.98	-2.12
AUD/USD	0.7072	+0.77	+0.78	-4.37	-13.49
USD/CAD	1.3252	-0.05	+0.55	+0.88	+14.03
USD/BRL	3.8496	+1.84	+2.92	+11.99	+44.85
USD/KRW	1,194.27	+0.41	+0.34	+2.68	+9.47
COMMODITIES					
Gold(\$/oz)	1,110.75	+0.26	-1.31	+1.17	-6.25
WTI crude ³	45.92	+4.01	-1.78	+0.00	-13.80
Brent crd ³	48.08	+3.42	-3.78	+0.21	-13.77
Urals crd ³	N/A	+0.00	+0.00	+0.00	+0.00
TR/J CRB ⁴	198.01	+1.13	-0.25	-2.20	-13.89

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.

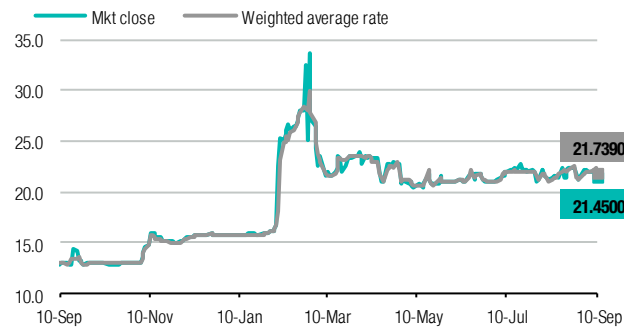
Sources: Bloomberg, Investment Capital Ukraine LLC.

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>).

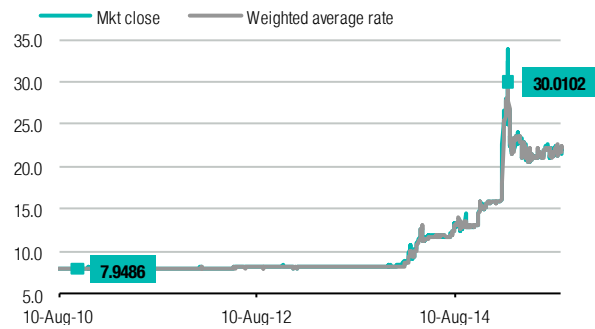
Section on FX market is continued on next page.

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)

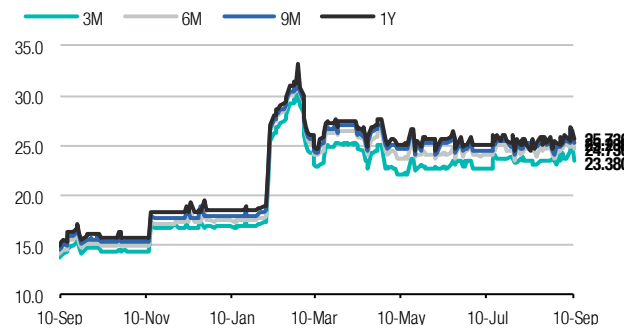


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

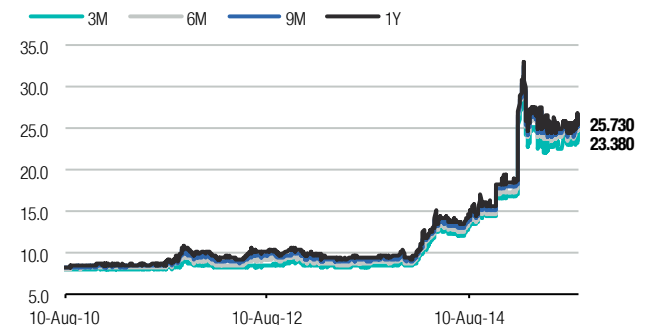


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

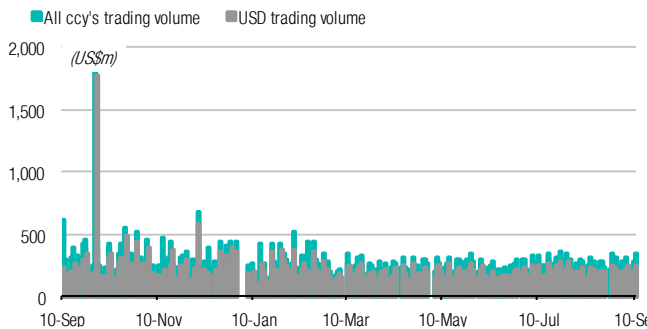


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

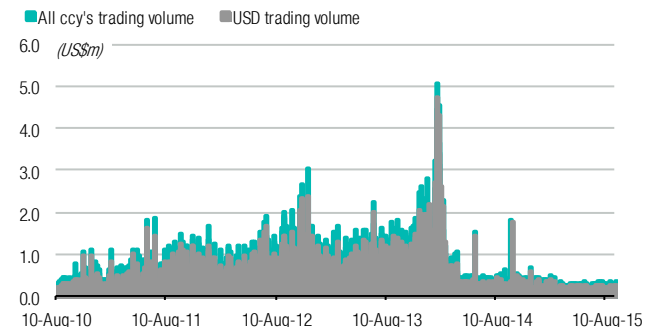


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

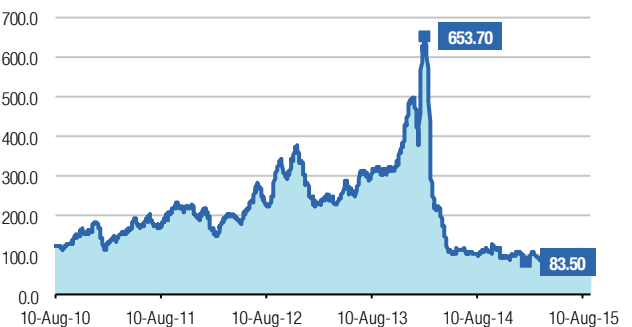
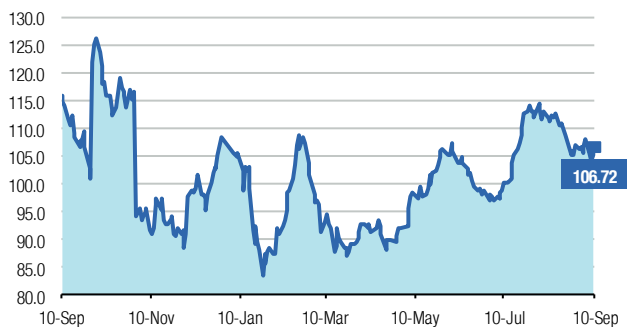


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.



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)

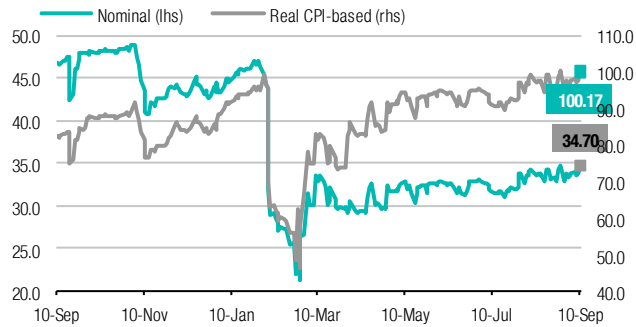


Note: * 30-day moving average; The boxes of the right chart show high and low values. Sources: NBU, State Statistics Service of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

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

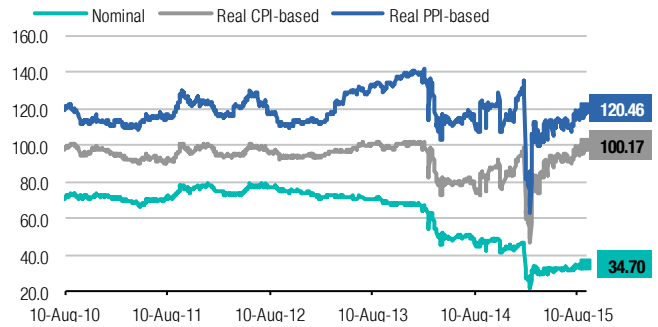
The following charts depict ICU's Ukrainian hryvnia trade-weighted indices which were calculated in accordance with methodology (for more details visit <http://www.icu.ua/en/research/currency-indices>).

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



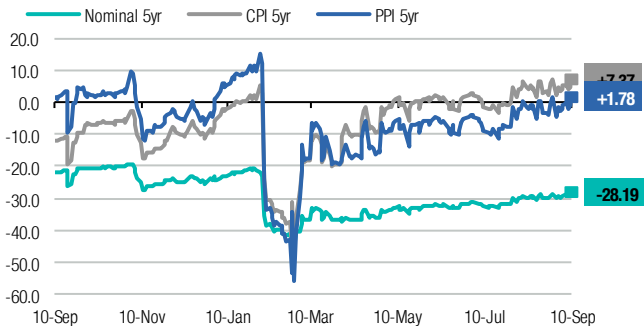
Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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

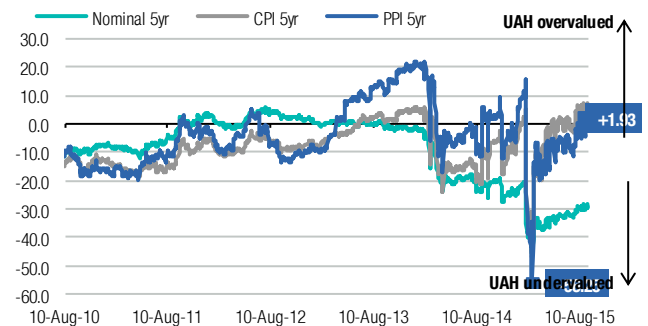


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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)

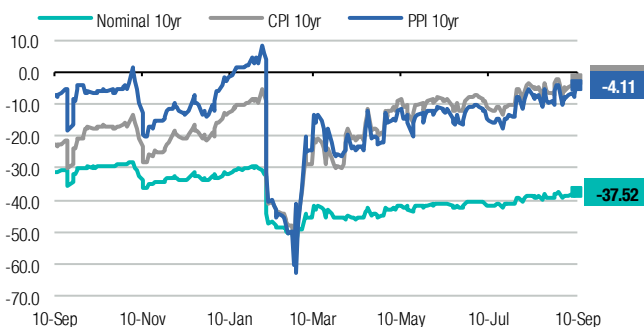


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

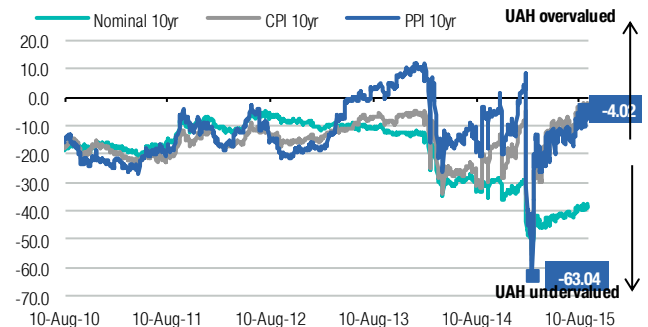


Note: the boxes indicate the high and low values of CPI-based TWI.
Source: Investment Capital Ukraine LLC.

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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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.

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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



11th floor, LEONARDO Business Centre
19-21 Bogdan Khmelnytsky Street
Kiev, 01030 Ukraine
Phone/Fax +38 044 2200120

WEB www.icu.ua



@ICU_UA

CORPORATE FINANCE

Makar Paseniuk, CFA, Managing Director
makar.paseniuk@icu.ua

Ivan Shvydanenko, Vice President
ivan.shvydanenko@icu.ua

Roman Nikitov, ACCA Director
roman.nikitov@icu.ua

Yuriy Kamarytskyi, Vice President
yuriy.kamarytskyi@icu.ua


Ruslan Kilmukhametov, Director
ruslan.kilmukhametov@icu.ua

Ruslan Patlavsky, Vice President
ruslan.patlavsky@icu.ua

STRATEGY AND CORPORATE DEVELOPMENT

Vlad Sinani, Director
vlad.sinani@icu.ua

SALES AND TRADING

Konstantin Stetsenko 
Managing Director
konstantin.stetsenko@icu.ua

Liliya Kubytyovych 
Asset Management Product Sales
liliya.kubytyovych@icu.ua


Sergiy Byelyayev
Fixed-Income Trading
sergiy.byelyayev@icu.ua

Julia Pecheritsa
Ukraine and CIS International Sales
julia.pecheritsa@icu.ua


Vitaliy Sivach 
Fixed-Income & FX Trading
vitaliy.sivach@icu.ua


Yevgeniya Gryshchenko
Fixed-Income Sales
yevgeniya.gryshchenko@icu.ua

RESEARCH DEPARTMENT

Alexander Valchyshen 
Head of Research
alexander.valchyshen@icu.ua

Taras Kotovych 
Senior financial analyst (Sovereign debt)
taras.kotovych@icu.ua

Alexander Martynenko 
Head of corporate research
alexander.martynenko@icu.ua

Mykhaylo Demkiv 
Financial analyst (Banks)
mykhaylo.demkiv@icu.ua

Bogdan Vorotilin 
Financial analyst (Food & Agribusiness)
bogdan.vorotilin@icu.ua

Lee Daniels, Rolfe Haas
Editors

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