


INVESTMENT CAPITAL UKRAINE
 INVESTMENT BANKING

Daily Insight

Minsk mission likely to produce no settlement;
 Hryvnia falls to nearly 14/USD

WEDNESDAY, 27 AUGUST, 2014

RESEARCH INSIGHT

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UX Index (3 months to 27 Aug 2014)



Key market indicators (as of 26 Aug 2014)

	Last	Daily chg (%)	YTD chg (%)
FX & MONEY RATES			
USD/UAH	13.5500	+0.00	+64.44
USD/UAH (1Y NDF)	15.9500	+2.64	+69.32
EUR/USD	1.3167	-0.19	-4.19
USD/RUB	36.1803	+0.04	+10.07
KievPRIME O/N (%)	8.00	+0bp	+20bp
KievPRIME 1M (%)	15.17	+17bp	-108bp

BONDS: yields and spreads

Ukraine VAT bond (%)	N/A	-160bp	-8,655bp
Ukraine 17, Eurobond (%)	10.39	+18bp	+84bp
Ukraine 22, Eurobond (%)	9.34	+15bp	-1bp
Ukraine 23, Eurobond (%)	9.37	+23bp	+33bp
Ukraine 5Y CDS	956bp	+18bp	+139bp

EQUITIES

Stock market indices

UX (Ukraine)	1,227.35	-1.10	+34.87
MSCI World	431.64	+0.22	+5.65
MSCI EM	1,087.77	+0.23	+8.49
RTS (Russia)	1,259.47	-0.63	-12.70
WIG-20 (Poland)	2,468.76	+0.77	+2.82
S&P 500 (USA)	2,000.02	+0.11	+8.21

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

FXPO LN	1.31	47.4% of total ¹
AST PW	0.58	20.8%
MHPC LI	0.38	13.7%

GAINERS: Top 3 stocks (in listed currency)

OVO PW	PLN 71.00	+2.28	-29.00
AVDK UK	UAH 3.00	+1.52	+1.35
AST PW	PLN 37.75	+0.51	-43.57

LOSERS: Top 3 stocks (in listed currency)

Notes: Chg – percentage change, if not otherwise indicated;
 [1] – total traded volume for stocks listed in Table 1, pp. 3;
 green- or red-shaded box means gain or loss, respectively,
 of the index or security.

Sources: Bloomberg, UX, Investment Capital Ukraine LLC.

Economics: News & Comments

Minsk mission likely to produce no settlement

Surrounded by diplomats from the EU, Belarus and Kazakhstan who were intent on having the Russia-Ukraine conflict on the path to resolution, Poroshenko and Putin negotiated for hours. In the meeting's introductory speech, Belarus leader Lukashenko proclaimed that the diplomatic mission had settlement papers on hand ready to be signed, the details of which were not revealed. Amidst such enthusiasm, Poroshenko stated he would neither compromise Ukraine's independence nor permit a territorial secession. With both leaders unwilling to yield, no settlement is in sight. Moreover, as the talks were in progress, Reuters reported that Russian soldiers in camouflage were seen entering a Ukrainian village adjacent to the border, which is a *de facto* invasion, while Ukrainian soldiers also captured several Russian army paratroopers who had crossed the border. The best result this meeting will produce is a formal pledge by both presidents to resume talks in Minsk in the near future.

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Table 1. Ukrainian stocks (closing prices as of 26-Aug-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	11.63 GBP	+0.0	+3.3	+12.0	-27.3	0.19	44.5	-18.6	40.2	17.9	1.5	20.1	0.17	575	Neg.	Neg.	Neg.	2.8	N/A	N/A	Neg.	Neg.	Neg.	0.2	0.0
Centrenerg	CEEN UK	Kiev, UX	7.95 UAH	+0.1	+0.6	+66.7	+57.8	0.58	215.5	262.0	21.7	46.8	31.3	368.2	0.24	410	6.0	6.1	3.8	0.5	4.7	2.4	0.5	0.4	0.3	1.2	12.2
Coal Energy	CLE PW	Warsaw	0.91 PLN	-3.2	-16.5	-13.3	-62.9	0.29	12.9	123.1	25.0	3.2	16.0	17.0	0.42	239	Neg.	Neg.	3.2	5.5	15.4	4.2	1.0	1.2	1.1	0.1	39.8
Donbasenergo	DOEN UK	Kiev, UX	37.53 UAH	-1.5	-6.6	+36.0	+61.3	2.75	65.1	100.0	14.2	9.3	0.1	55.6	0.23	432	1.7	2.3	2.1	0.4	2.3	1.2	0.2	0.2	0.2	1.3	17.8
JKX Oil & Gas	JKX LN	London	45.25 GBP	-0.3	-2.7	-36.7	-32.0	0.75	128.7	133.8	47.2	60.7	3.7	36.3	0.05	2,166	19.8	11.4	4.6	2.0	1.8	1.5	0.7	0.7	0.6	0.3	5.5
Regal Petroleum	RPT LN	London	6.75 GBP	+0.0	-26.0	-48.1	-60.9	0.11	35.8	9.0	80.9	29.0	0.0	6.5	0.03	3,338	Neg.	17.9	N/A	0.4	0.3	N/A	0.2	0.2	N/A	0.1	0.0
Zakhidenergo	ZAEN UK	Kiev, PFTS	138.20 UAH	+0.0	-5.5	+52.9	+65.5	10.14	129.7	110.1	5.0	6.5	0.0	3.0	0.01	11,177	3.1	N/A	N/A	0.7	N/A	N/A	0.1	N/A	N/A	3.4	0.0
METALLURGY																											
Alchevsky Meta...	ALMK UK	Kiev, UX	0.03 UAH	+0.3	-5.8	-11.9	-11.2	0.00	64.7	1,094.7	3.9	2.5	2.7	27.9	0.21	487	Neg.	Neg.	N/A	N/A	Neg.	N/A	1.0	0.7	N/A	N/A	64.5
Avdiyivsky Cok...	AVDK UK	Kiev, UX	3.00 UAH	+1.5	-4.5	+1.4	-6.3	0.22	42.9	40.3	4.0	1.7	0.6	24.4	0.19	527	Neg.	1.8	0.8	Neg.	0.6	0.4	0.1	0.0	0.0	0.1	0.0
Azovstal	AZST UK	Kiev, UX	0.86 UAH	-0.8	-1.0	+28.5	+40.0	0.06	265.6	259.4	4.1	10.9	0.3	18.3	0.09	1,152	Neg.	N/A	Neg.	Neg.	N/A	8.5	0.2	N/A	0.1	0.3	0.0
Ferrexpo PLC	FXPO LN	London	135.00 GBP	-2.2	-4.3	-27.4	-23.0	2.24	1,316.0	1,518.4	22.4	294.8	1,312.7	1,575.3	0.41	242	5.0	4.7	7.5	3.0	3.0	3.9	1.0	1.0	1.0	1.2	35.1
Yasynivsky Cok...	YASK UK	Kiev, UX	0.65 UAH	+0.0	-5.8	+22.6	+16.1	0.05	13.0	14.1	9.0	1.2	0.0	5.7	0.06	1,565	Neg.	1.3	0.7	0.1	0.6	0.4	0.1	0.0	0.0	0.1	0.1
Yenakievo Steel	ENMZ UK	Kiev, UX	37.53 UAH	-3.0	-14.0	+17.2	+11.7	2.75	29.1	25.2	9.4	2.7	2.0	30.5	0.29	347	5.7	N/A	Neg.	Neg.	N/A	0.9	0.0	N/A	0.0	0.9	0.0
FOOD AND AGRIBUSINESS																											
AgroGeneration	ALAGR FP	EN Paris	0.85 EUR	-4.5	-13.3	-31.5	-38.8	1.12	103.4	160.3	34.0	35.2	16.5	14.3	0.03	3,190	Neg.	N/A	N/A	Neg.	N/A	N/A	2.3	N/A	N/A	1.9	35.9
Agroliga	AGL PW	Warsaw	17.49 PLN	-2.7	-8.5	-32.5	-27.1	5.50	8.5	9.4	16.7	1.4	6.7	2.2	0.07	1,370	2.0	N/A	N/A	2.7	N/A	N/A	0.4	N/A	N/A	0.7	5.7
Agroton	AGT PW	Warsaw	2.13 PLN	-0.5	-21.1	+9.2	-4.5	0.67	14.5	59.8	26.2	3.8	34.0	90.1	1.16	86	Neg.	2.1	1.8	22.4	6.3	3.7	0.7	0.7	0.7	0.1	28.4
Astarta Holdin...	AST PW	Warsaw	37.75 PLN	+0.5	-3.5	-43.6	-47.5	11.87	296.8	553.4	31.0	92.1	576.9	132.4	0.08	1,192	8.8	9.6	4.8	7.3	4.3	4.9	1.1	1.1	1.1	0.8	38.2
Avangard	AVGR LI	London Intl	8.40 USD	-6.6	-8.6	-28.5	-17.2	8.40	536.5	767.5	21.7	116.4	157.7	169.3	0.06	1,686	2.3	2.8	2.4	2.5	3.2	3.0	1.2	1.1	1.0	0.4	17.8
IMC	IMC PW	Warsaw	8.44 PLN	+0.0	+0.8	-30.5	-43.4	2.65	83.1	234.1	23.9	19.8	0.2	46.9	0.03	3,403	3.2	7.5	1.8	4.3	4.3	4.2	2.0	1.2	1.3	0.5	38.7
Kernel Holding...	KER PW	Warsaw	27.49 PLN	+0.1	-8.1	-27.8	-41.8	8.65	689.0	1,595.6	58.8	404.9	214.2	2,040.4	0.16	637	6.2	17.0	4.9	5.5	6.5	4.9	0.6	0.6	0.6	0.6	30.6
KSG Agro	KSG PW	Warsaw	3.00 PLN	-33.8	-33.8	-72.4	-73.7	0.94	14.2	125.3	34.4	4.9	1.5	0.0	0.00	63,498	Neg.	1.2	0.7	4.8	3.2	2.6	1.8	1.3	1.1	0.9	44.0
MHP	MHPC LI	London Intl	12.02 USD	+0.0	-5.7	-29.5	-21.8	12.02	1,270.1	2,431.0	22.3	283.5	379.6	1,050.7	0.29	349	8.1	4.7	4.1	6.2	5.0	4.6	1.6	1.6	1.4	2.2	47.0
Milkiland	MLK PW	Warsaw	4.59 PLN	-3.4	-20.9	-63.3	-60.6	1.44	45.1	171.3	20.0	9.0	3.1	6.5	0.03	3,138	3.2	N/A	2.3	5.2	3.4	3.1	0.4	0.4	0.4	0.2	30.8
Mriya Agrohold...	MAYA GF	Frankfurt	1.66 EUR	+0.0	-64.4	-69.2	-62.8	2.19	232.4	960.2	20.0	46.5	1.6	4.5	0.01	7,497	2.6	2.7	1.0	5.8	3.5	3.2	1.9	2.3	2.2	0.5	45.3
Ovostar Union	OVO PW	Warsaw	71.00 PLN	+2.3	+1.4	-29.0	-16.5	22.33	134.0	141.6	25.0	33.5	0.0	36.7	0.11	880	4.4	7.2	6.3	3.8	5.2	4.2	1.6	1.8	1.3	1.0	8.5
CONSTRUCTION																											
TMM	TR61 GF	Xetra	0.22 EUR	+0.0	+0.0	-30.6	-50.2	0.29	15.0	190.6	13.1	2.0	0.0	0.1	N/A	N/A	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	0.14 UAH	-1.1	-6.0	+22.2	+42.0	0.01	305.1	N/A	3.8	11.7	8.8	26.8	0.30	328	4.1	Neg.	11.7	N/A	N/A	N/A	N/A	N/A	N/A	0.6	28.3
UkrSotsbank	USCB UK	Kiev, UX	0.17 UAH	-3.4	-7.1	-11.4	+29.2	0.01	221.2	N/A	4.5	9.9	0.1	13.5	0.02	4,716	Neg.	14.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.3	30.9

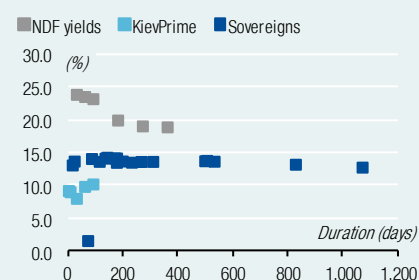
Notes: mln - millions; FF - free float; n/a - not available; neg. - negative; a company name (the left column of the table) is shortened to fit the column and hence in some cases is not displayed in full; *** -- means that P/E ratio is above 10,000x.

Sources: Bloomberg, Investment Capital Ukraine LLC.

Bonds: News & Comments

Yield curve of the local bond market

(as of market close on 26 Aug 2014)



Sources: Bloomberg, Investment Capital Ukraine LLC.

Bond market indicators (as of 26 Aug 2014)

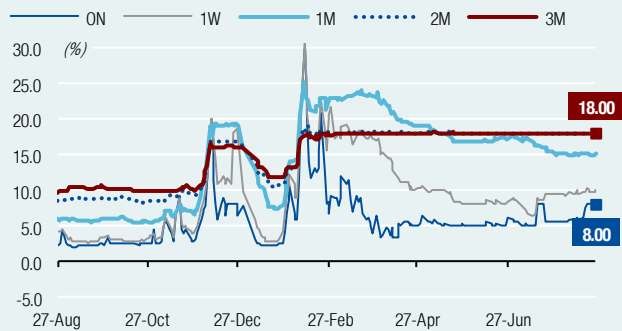
	Last	Daily	Weekly	MoM	YTD
		chg (%)	chg (%)	chg (%)	chg (%)
MONEY MARKET KIEV PRIME RATES (%)					
0/n	8.00	+0bp	+32bp	+250bp	+20bp
1wk	10.00	+25bp	+26bp	+50bp	+20bp
1m	15.17	+17bp	+4bp	-33bp	-108bp
2m	18.00	+0bp	+0bp	+0bp	+160bp
3m	18.00	+0bp	+0bp	+0bp	+200bp
LIQUIDITY WIDE MEASUREMENT (UAHm)					
CB acc's ¹	33,050	-0.24	+26.25	+12.39	+1.06
CDs ²	7,761	-20.35	-43.54	-45.97	+1,000.9
Sovgns ³	3,877	+11.72	-9.49	+7.77	+159.3
Total	44,688	-3.58	+1.09	-5.66	+28.04
HOLDERS OF UAH SOVEREIGN BONDS (UAHm)					
C.bank	236,793	+0.00	+13.14	+23.22	+63.47
Banks	90,016	+1.26	+1.42	+12.56	+12.28
Resid's ⁴	16,005	+0.51	-62.33	+21.23	+29.11
Non-res ⁵	20,382	+1.39	+3.15	+25.83	+74.23
Total	363,196	+0.41	+0.80	+20.44	+45.79
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	-52ppt	+0bp	+0bp	+0bp
Jan '14	N/A	+320bp	+0bp	+0bp	-676bp
Aug '15 ⁶	N/A	-160bp	+0bp	-63bp	-87ppt
EUROBONDS USD SOVEREIGN BOND YIELDS (%)					
CDS 5yr	956	+18bp	+41bp	+136bp	+139bp
Jun '16	10.52	+39bp	+111bp	+264bp	+163bp
Jul '17	10.39	+18bp	+99bp	+206bp	+84bp
Sep '20	9.62	+18bp	+60bp	+102bp	+43bp
Sep '21	9.65	-2bp	+59bp	+101bp	+43bp
Sep '22	9.34	+15bp	+54bp	+91bp	-1bp
Feb '23	9.37	+23bp	+56bp	+113bp	+33bp

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.

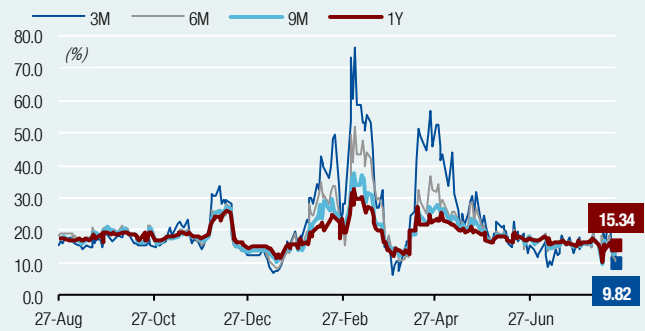
Chart page: Local bond market & Eurobond markets

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



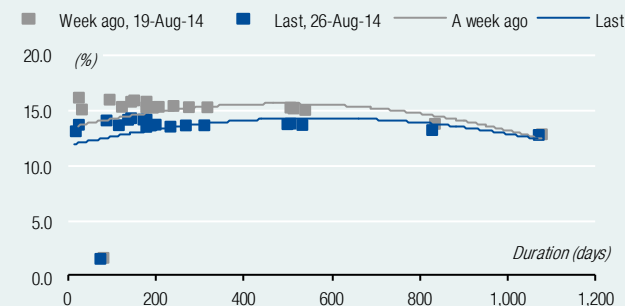
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



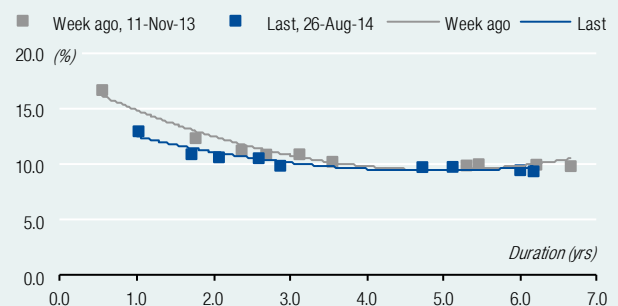
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 3. UAH sovereign yield curve (%) as of 26 Aug 2014



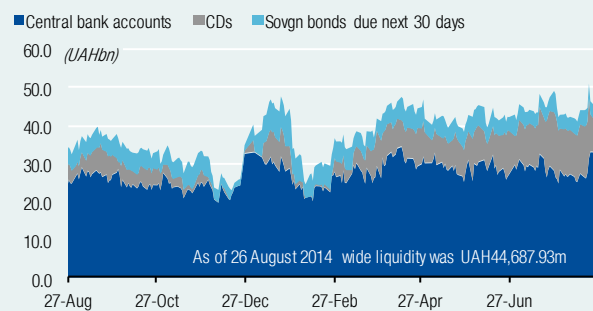
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 4. USD sovereign yield curve (%) as of 26 Aug 2014



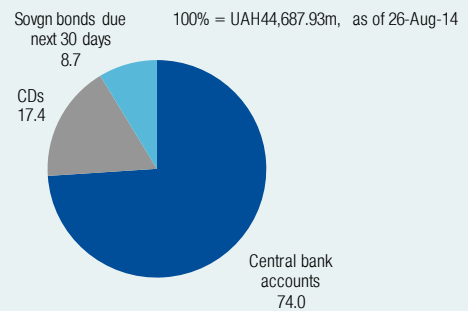
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



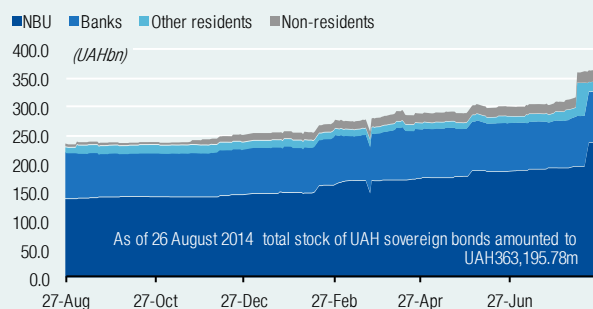
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 6. Breakdown of liquidity pool (%) as of 26 Aug 2014



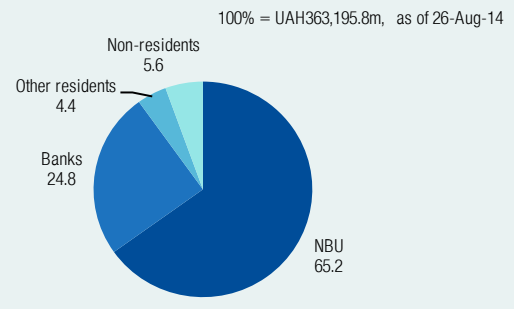
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

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 26 Aug 2014



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

FX: News & Comments

Hryvnia falls to nearly 14/USD

Following light seasonal trading at the market's open, volume picked up at midday when a decent volume of USD were offered. Following the UAH's weakening to 13.8/USD and then strengthening back to 13.5/USD on daily trading volume of US\$241m, the hryvnia's trade-weighted index increased 0.03%.

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ICU's UAH trade-weighted indices

(Last 12-month history to 27 Aug 2014)



FX market indicators (as of 26 Aug 2014)

	Last	Daily	Weekly	MoM	YTD
	chg (%)	chg (%)	chg (%)	chg (%)	chg (%)
USD/UAH MARKET (HRYVNIA per US DOLLAR)					
Spot mkt	13.5500	+0.00	+3.44	+13.77	+64.44
NBU avg	13.6594	+2.20	+5.46	+16.22	+67.58
Tt vlm ¹	357.79	+9.04	-26.98	+12.19	-87.23
\$ volume ²	240.72	+10.70	-38.98	+13.43	-89.11
NDF 3M	14.4400	+2.85	+6.18	+17.49	+70.18
NDF 6M	14.9500	+2.75	+6.22	+17.12	+70.27
NDF 1Y	15.9500	+2.64	+5.80	+16.38	+69.32
TRADE-WEIGHTED INDICES (TWIs, points)					
UAH nom'l	43.457	+0.03	-2.92	-10.45	-35.66
UAH real CPI	72.402	+0.03	-2.92	-10.45	-28.37
UAH real PPI	109.045	+0.03	-2.92	-10.45	-21.43
USD nom'l	82.650	+0.12	+0.94	+2.00	+3.27
FX RATES OF KEY CURRENCIES THAT SHAPE UAH's TWIs					
USD/RUB	36.1803	+0.04	+0.02	+2.95	+10.07
EUR/USD	1.3167	-0.19	-1.15	-1.96	-4.19
USD/CNY	6.1531	-0.01	+0.19	-0.63	+1.63
USD/PLN	3.1825	+0.35	+1.39	+3.10	+5.28
USD/TRY	2.1653	-0.59	+0.16	+3.40	+0.80
USD/BYR	10,420.00	+0.05	+0.29	+1.26	+9.22
USD/KZT	182.0000	-0.01	-0.01	-0.87	+17.97
OTHER MAJOR CURRENCIES					
USD/JPY	104.0600	+0.01	+1.11	+2.18	-1.19
GBP/USD	1.6540	-0.24	-0.46	-2.56	-0.10
USD/CHF	0.9175	+0.23	+0.91	+1.39	+2.76
AUD/USD	0.9306	+0.10	+0.04	-0.96	+4.36
USD/CAD	1.0952	-0.29	+0.09	+1.29	+3.10
USD/BRL	2.2617	-1.17	+0.66	+1.43	-4.25
USD/KRW	1,016.88	-0.32	-0.05	-0.90	-3.14
COMMODITIES					
Gold(\$/oz)	1,281.24	+0.34	-1.11	-1.98	+6.27
WTI crude ³	93.86	-1.30	-0.66	-11.74	-4.63
Brent crd ³	100.68	-0.07	+1.17	-5.61	-9.15
Urals crd ³	N/A	+0.00	+0.00	+0.00	+0.00
TR/J CRB ⁴	290.29	+0.61	+1.13	-2.70	+3.61

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>).

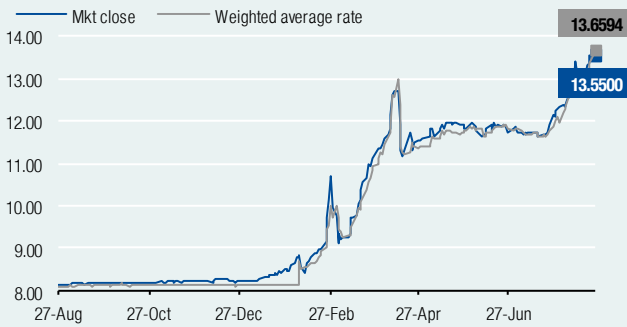
Section on FX market is continued on next page.

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.

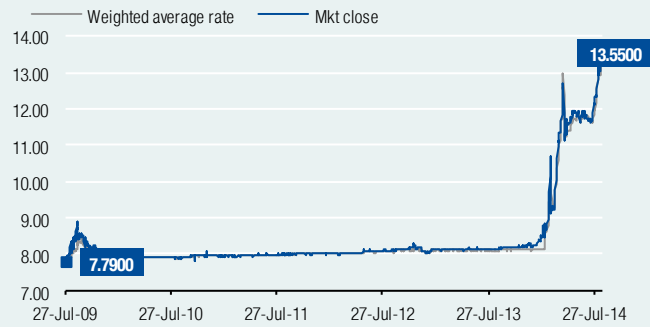
Sources: Bloomberg, Investment Capital Ukraine LLC.

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)

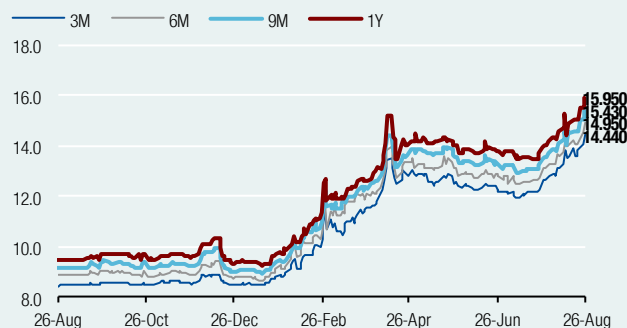


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

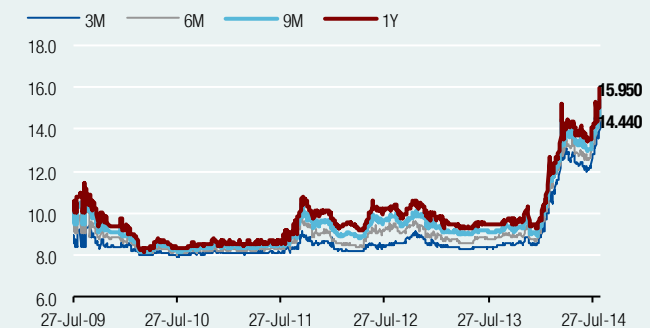


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

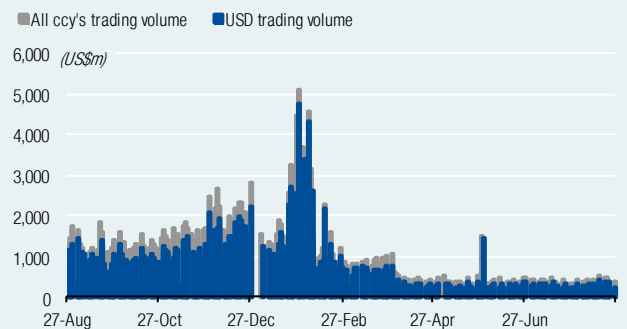


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

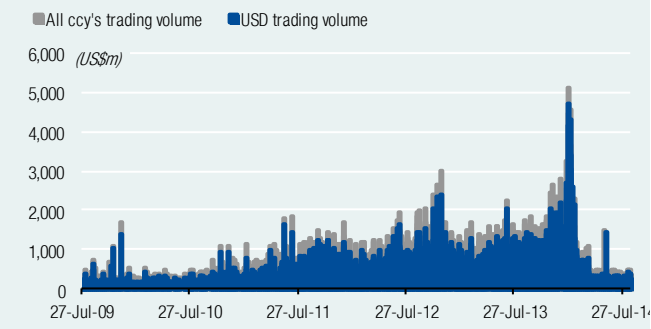


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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)



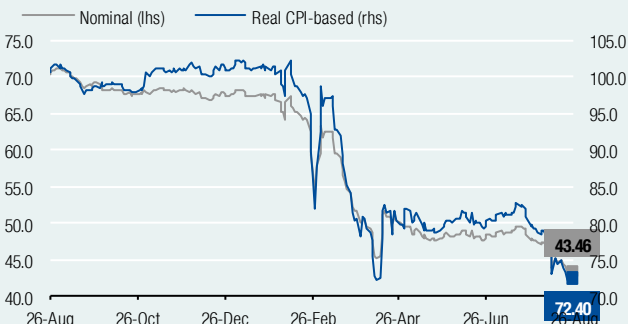
Note: * 30-day moving average; The boxes of the right chart show high and low values. Sources: NBU, State Statistics Service of Ukraine, Bloomberg, Investment Capital Ukraine LLC.



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

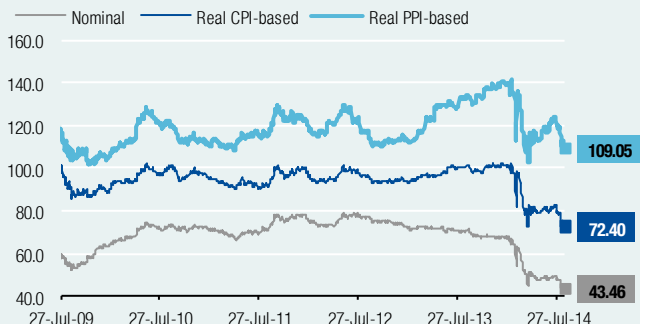
The following charts depict ICU's Ukrainian hryvnia trade-weighted indices which were calculated in accordance with methodology published in the [Quarterly Report "Keep the music playing"](#) dated 31 January 2013 and, then, updated, in the [Quarterly Report "Muddling through no more"](#) dated 14 August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

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



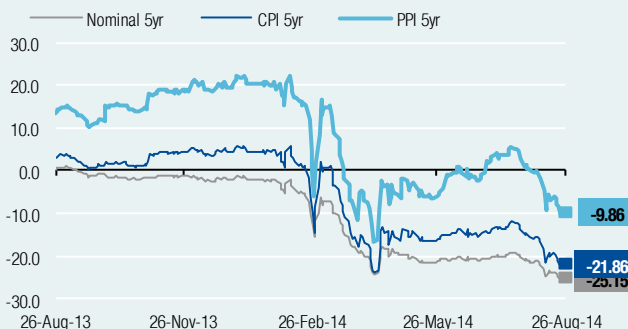
Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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)

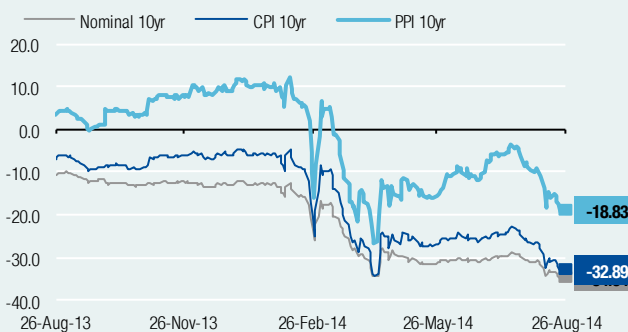


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.



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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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

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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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