



Focus
Ukraine

Scope
Economics, bonds, equity & FX markets

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Daily Insight

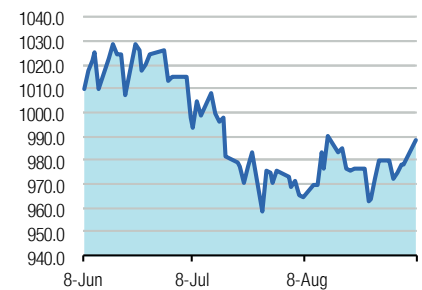
Privatbank's bondholders agreed to an extension

TUESDAY, 8 SEPTEMBER 2015

Contents

Bonds: News & Comments	2
Bondholders agreed to a short extension of Privatbank's 2015 Eurobond	2
Liquidity slightly reallocated.....	2
Chart page: Local bond market & Eurobond markets.....	3
FX: News & Comments	5
Inflation in August: monthly deflation extends another month	5
Chart page #1: Foreign-exchange market.....	6
Chart page #2: ICU's UAH trade-weighted indices.....	7

UX Index (3 months to 8 Sep 2015)



Source: UX.

Key market indicators (as of 7 Sep 2015)

	Last	Daily chg (%)	YTD chg (%)
FX & MONEY RATES			
USD/UAH	22.0000	-0.23	+39.06
USD/UAH (1Y NDF)	25.3940	-1.93	+37.64
EUR/USD	1.1170	+0.19	-7.67
USD/RUB	69.1240	+0.92	+13.81
KievPRIME O/N (%)	19.13	+13bp	+23bp
KievPRIME 1M (%)	24.00	+0bp	+410bp
SOVEREIGN EUROBONDS: yields and spreads			
Ukraine 15, Eurobond (%)	825.26	+5,815bp	+76,349bp
Ukraine 17, Eurobond (%)	27.11	-85bp	-65bp
Ukraine 22, Eurobond (%)	13.29	-27bp	-296bp
Ukraine 23, Eurobond (%)	12.98	+0bp	-259bp
Ukraine 5Y CDS	1,157bp	+9bp	-1,042bp
EQUITIES			
Stock market indices			
UX (Ukraine)	988.93	+1.06	-4.29
MSCI World	384.65	-1.63	-7.78
MSCI EM	778.18	-2.91	-18.63
RTS (Russia)	776.17	-3.61	-1.39
WIG-20 (Poland)	2,132.36	-1.05	-7.93
S&P 500 (USA)	1,951.13	+0.00	-5.23

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

Bondholders agreed to a short extension of Privatbank's 2015 Eurobond

Privatbank has successfully persuade bondholder to agree to a temporarily extension of its US\$200m Eurobond from the previous maturity date (September 23) to January 15, 2016. The bank plans to use this four month period to gain a two-year extension of its US\$150m of 2016 subordinated bond as well. Should this occur by January 15, the 2015 issue is automatically prolonged by two years. If no agreement is reached, Privatbank must repay both issues.

This new option sweetened the restructuring offer for the holders of the 2015 issue who rejected the previous offer two weeks ago. The extraordinary resolution garnished very strong support as 96.94% of those present at the meeting voted in favour. The new term gives a positive signal for the ultimate, longer restructuring of both issues as neither bondholder group will benefit from not supporting the proposal.

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Liquidity slightly reallocated

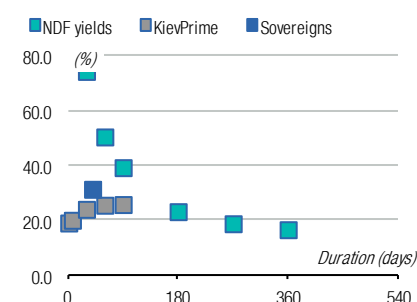
The NBU sold UAH12.98bn of new CDs while it repaid UAH13.26bn in CD redemptions the same day, causing CDs outstanding to decline UAH0.25bn to UAH47.52bn yesterday. At the same time, banks' correspondent accounts with the NBU rose UAH0.15bn to UAH23.72bn. As a result, banking sector liquidity slid a mere UAH0.10bn to UAH71.23bn.

Investment implications: Although CDs outstanding slid only slightly, the share of CDs maturing in two weeks or longer rose from 25.77% to 27.32% as the NBU sold UAH2.61bn of 14-day CDs last Friday. This could indicate that banks are not going to see a lack of liquidity this week and prefer 2-week CDs over ON or 7-day CDs. At the same time, we could see a slight decline in liquidity this week due to Naftogaz payments and FX purchasing at the market or directly from the NBU.

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Yield curve of the local bond market

(as of market close on 7 Sep 2015)



Sources: Bloomberg, Investment Capital Ukraine LLC.

Bond market indicators (as of 7 Sep 2015)

	Last	Daily	Weekly	MoM	YTD
		chg (%)	chg (%)	chg (%)	chg (%)

MONEY MARKET KIEV PRIME RATES (%)

O/n	19.13	+13bp	-27bp	+13bp	+23bp
1wk	20.13	+13bp	+3bp	+13bp	+113bp
1m	24.00	+0bp	+0bp	+0bp	+410bp
2m	25.63	+13bp	+3bp	+13bp	+563bp
3m	25.75	+8bp	+5bp	+8bp	+575bp

LIQUIDITY WIDE MEASUREMENT (UAHm)

CB acc's ¹	23,718	+0.65	+0.99	-3.19	-28.67
CDs ²	47,517	-0.52	+5.61	-0.53	+201.0
Sovgns ³	5,619	+24.13	-12.78	-12.04	+24.01
Total	76,854	+1.31	+2.58	-2.30	+43.47

HOLDERS OF UAH SOVEREIGN BONDS (UAHm)

C.bank	365,082	+0.00	-0.30	+0.11	+14.76
Banks	82,199	-0.17	+1.75	-0.29	-12.02
Resid's ⁴	21,103	-0.01	+0.46	+0.65	-14.04
Non-res ⁵	21,818	-0.27	+2.93	+0.06	+1.27
Total	490,202	-0.04	+0.21	+0.06	+7.11

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 (%)

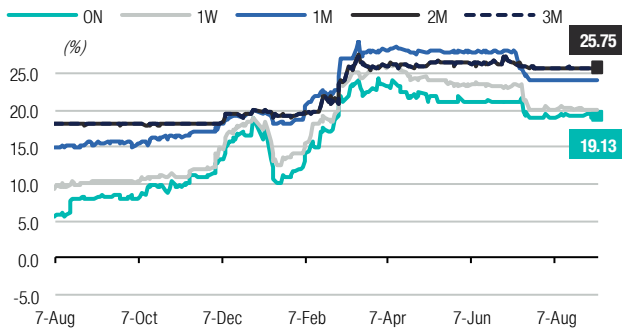
CDS 5yr	1,157	+9bp	-65bp	-960bp	-10ppt
Jun '16	48.87	-202bp	-655bp	-41ppt	+12bp
Jul '17	27.11	-85bp	-248bp	-18ppt	-65bp
Sep '20	15.00	+0bp	-123bp	-797bp	-385bp
Sep '21	14.78	+0bp	-129bp	-692bp	-375bp
Sep '22	13.29	-27bp	-101bp	-579bp	-296bp
Feb '23	12.98	+0bp	-71bp	-520bp	-259bp

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.

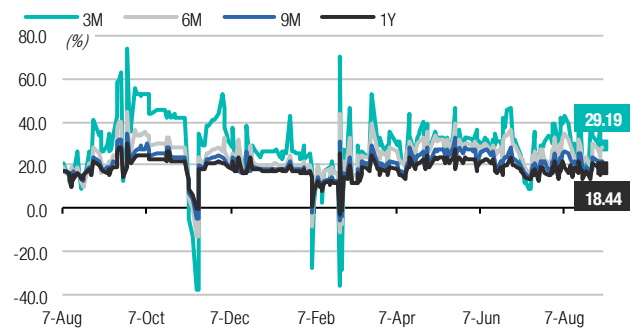
Chart page: Local bond market & Eurobond markets

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



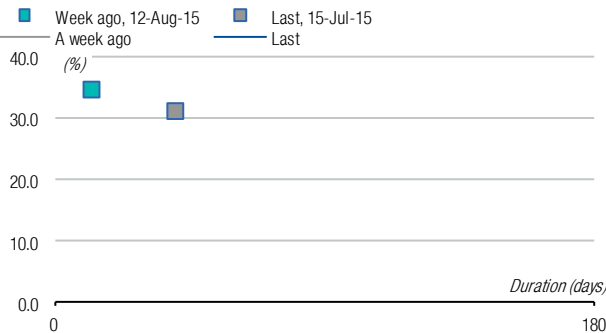
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



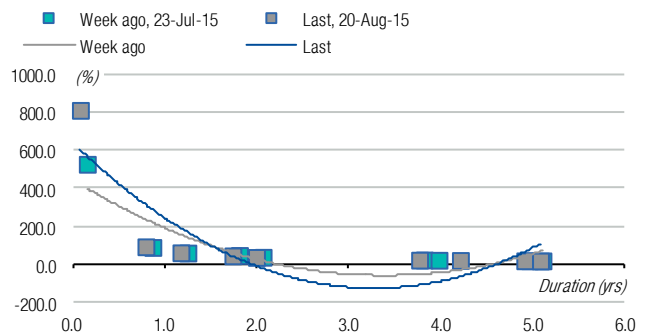
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 3. UAH sovereign yield curve (%) as of 7 Sep 2015



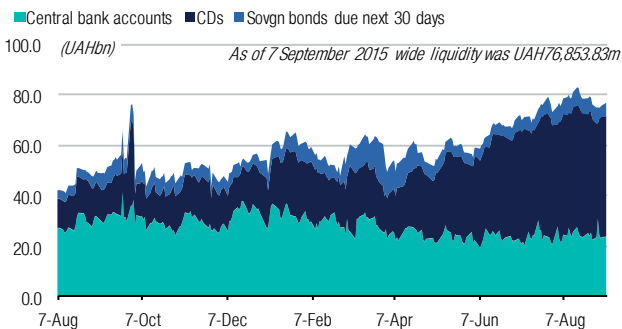
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 4. USD sovereign yield curve (%) as of 7 Sep 2015



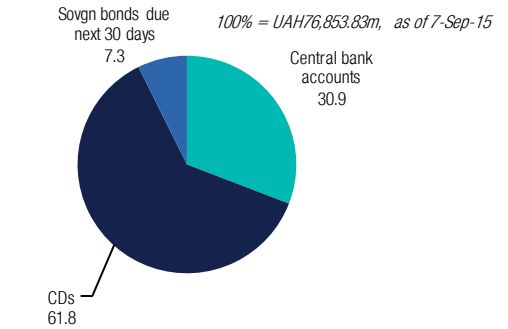
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



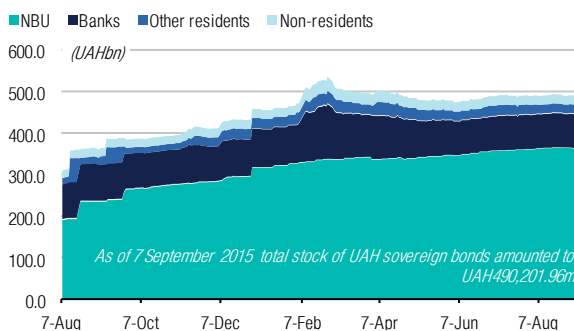
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 6. Breakdown of liquidity pool (%) as of 7 Sep 2015



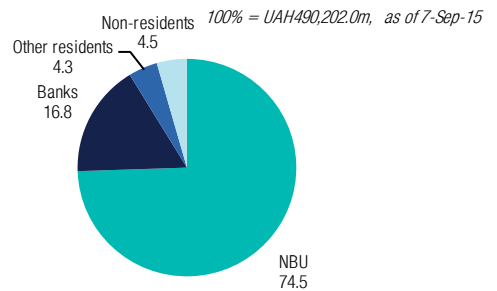
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

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 7 Sep 2015



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

Table 1. Ukrainian stocks (closing prices as of 7-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	11.13 GBp	+2.3	+3.5	+11.3	-5.3	0.17	39.5	-9.7	40.2	15.9	0.0	30.0	0.08	1,284	Neg.	N/A	N/A	1.4	N/A	N/A	Neg.	N/A	N/A	0.5	15.3
Centrenergo	CEEN UK	Kiev, UX	7.37 UAH	-0.2	+0.5	-2.3	-5.6	0.33	123.7	132.9	21.7	26.9	4.9	13.9	0.03	3,489	38.5	Neg.	6.2	0.4	Neg.	N/A	0.4	0.3	0.2	1.3	4.2
Coal Energy	CLE PW	Warsaw	0.64 PLN	+0.0	-4.5	+3.2	-38.5	0.17	7.6	80.2	25.0	1.9	0.4	1.8	0.08	1,205	Neg.	N/A	N/A	11.0	N/A	N/A	0.7	N/A	N/A	0.3	56.9
Donbasenergo	DOEN UK	Kiev, UX	19.94 UAH	+0.5	+2.0	-39.6	-29.2	0.91	21.4	31.6	14.2	3.1	0.2	4.4	0.19	531	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	+0.0	-3.1	+31.3	-65.8	0.24	41.6	52.3	47.2	19.6	0.8	57.8	0.79	127	Neg.	Neg.	Neg.	Neg.	1.1	N/A	0.4	0.4	0.7	0.2	9.9
Regal Petroleum	RPT LN	London	4.50 GBp	+0.0	-18.5	+44.0	-38.0	0.07	22.1	-9.7	80.9	17.9	0.0	2.8	0.02	5,258	3.8	7.4	N/A	Neg.	Neg.	N/A	Neg.	Neg.	N/A	0.2	0.0
Zakhidenergo	ZAEN UK	Kiev, PFTS	130.00 UAH	+0.0	-3.8	-12.2	+0.0	5.91	75.6	109.8	5.0	3.8	0.0	0.1	0.00	48,125	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	+5.4	-6.9	-56.6	0.00	15.8	1,883.1	3.9	0.6	0.0	0.4	0.01	7,592	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	1.11 UAH	+4.8	+12.1	-35.8	-55.2	0.05	9.9	9.3	4.0	0.4	0.2	1.3	0.30	338	Neg.	Neg.	N/A	Neg.	Neg.	N/A	0.0	0.0	N/A	0.0	0.0
Azovstal	AZST UK	Kiev, UX	0.79 UAH	+1.0	+2.6	+6.0	+5.6	0.04	151.0	100.0	4.1	6.2	0.7	3.0	0.02	5,403	3.6	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	58.00 GBp	-1.3	-6.1	+18.6	-52.0	0.89	523.9	1,180.5	22.4	117.4	202.1	522.5	0.45	224	2.9	5.3	10.8	3.7	4.5	6.1	0.9	1.2	1.2	1.1	61.1
Yasynivsky Cok...	YASK UK	Kiev, UX	0.27 UAH	+0.0	-25.0	-3.6	-46.1	0.01	3.4	4.0	9.0	0.3	0.0	0.2	0.01	19,895	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	16.32 UAH	-0.9	+0.1	-22.1	-50.5	0.74	7.8	0.2	9.4	0.7	1.3	2.6	0.28	355	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	0.45 EUR	+0.0	-11.8	+4.7	-48.3	0.50	46.6	95.1	34.0	15.8	1.0	34.2	0.25	407	Neg.	Neg.	2.6	Neg.	4.1	3.1	1.3	1.3	1.1	1.0	35.9
Agroliga	AGL PW	Warsaw	11.10 PLN	+0.0	-5.7	+23.3	-34.7	2.94	4.5	5.3	16.7	0.8	0.2	1.4	0.16	625	1.3	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	+0.0	-16.5	-13.8	-52.0	0.28	6.1	33.5	26.2	1.6	1.5	14.7	0.42	236	Neg.	N/A	N/A	1.4	N/A	N/A	0.6	N/A	N/A	0.1	33.4
Astarta Holdin...	AST PW	Warsaw	28.90 PLN	-1.9	-15.0	+44.5	-26.1	7.65	191.3	422.3	31.0	59.3	18.5	64.5	0.10	984	Neg.	1,236.1	3.2	3.5	3.8	3.8	1.1	1.1	1.0	0.8	49.6
Avangard	AVGR LI	London Intl	0.34 USD	-24.4	-66.0	-83.4	-95.9	0.34	21.7	283.9	21.7	4.7	37.9	4.0	0.24	416	Neg.	Neg.	Neg.	2.2	5.0	3.5	0.7	0.9	0.9	0.1	33.1
IMC	IMC PW	Warsaw	5.28 PLN	+0.2	-1.3	-6.9	-36.8	1.40	43.8	152.2	23.9	10.4	4.7	11.9	0.04	2,464	Neg.	3.5	1.4	2.7	2.6	2.8	1.1	0.9	0.8	1.6	69.8
Kernel Holding...	KER PW	Warsaw	43.30 PLN	+1.2	-2.1	+52.1	+70.7	11.46	913.5	1,387.8	58.8	536.9	693.3	1,382.4	0.24	423	Neg.	6.6	4.6	6.2	3.5	3.9	0.6	0.6	0.6	1.1	39.1
KSG Agro	KSG PW	Warsaw	1.05 PLN	+7.1	-14.6	-6.3	-37.9	0.28	4.2	69.2	34.4	1.4	20.4	11.5	0.63	159	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	8.97 USD	+0.8	-4.7	-2.5	-25.9	8.97	947.8	2,173.6	22.3	211.6	71.9	500.8	0.26	384	Neg.	5.2	3.5	3.9	4.3	4.3	1.6	1.7	1.6	1.4	53.0
Milkiland	MLK PW	Warsaw	1.02 PLN	+1.0	-14.3	-31.1	-79.2	0.27	8.4	123.0	20.0	1.7	3.5	14.8	0.61	165	Neg.	Neg.	Neg.	8.9	5.1	6.4	0.4	0.5	0.5	0.1	42.5
Ovostar Union	OVO PW	Warsaw	82.00 PLN	-0.7	+1.9	+13.9	+15.7	21.71	130.3	140.5	25.0	32.6	29.0	19.6	0.04	2,708	5.1	5.6	8.7	4.8	5.2	6.6	1.8	1.8	2.3	1.6	9.4
CONSTRUCTION																											
TMM	TR61 GF	Frankfurt	0.01 EUR	+0.0	-76.0	-85.0	-93.1	0.01	0.7	93.6	13.1	0.1	0.0	0.0	0.09	1,172	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	+1.0	+7.3	-3.8	-30.9	0.00	126.0	N/A	3.8	4.8	0.6	4.9	0.09	1,059	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	0.12 UAH	+0.0	+38.2	-9.7	-30.6	0.01	131.8	N/A	4.5	5.9	0.0	1.1	0.01	7,009	Neg.	Neg.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.5	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

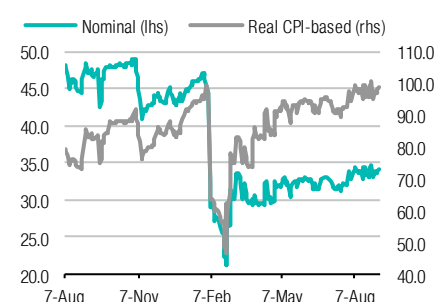
Inflation in August: monthly deflation extends another month

For the second consecutive month, consumer inflation has declined, down 0.8% MoM following the previous month's substantial 1.0 percent monthly decline. Factoring in the past month's data, YoY inflation rate slowed to 52.8%, down 2.5ppt from 55.3% YoY. Yet another increase in the tariff on electricity is expected in September, which should sustain inflation in December at 45% YoY.

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ICU's UAH trade-weighted indices

(Last 12-month history to 8 Sep 2015)



Source: Investment Capital Ukraine LLC.

FX market indicators (as of 7 Sep 2015)

	Last	Daily	Weekly	MoM	YTD
	chg (%)	chg (%)	chg (%)	chg (%)	chg (%)
USD/UAH MARKET (HRYVNIA per US DOLLAR)					
Spot mkt	22.0000	-0.23	-1.12	+4.14	+39.06
NBU avg	22.1176	+0.80	+1.43	+4.87	+40.26
Ttl vlm ¹	177.76	-43.42	-22.82	-37.87	-58.75
\$ volume ²	83.97	-65.88	-50.79	-59.68	-76.30
NDF 3M	24.3578	+3.04	+1.30	+4.24	+44.56
NDF 6M	24.8180	-1.10	+1.30	+0.41	+42.63
NDF 1Y	25.3940	-1.93	+1.27	+1.58	+37.64
TRADE-WEIGHTED INDICES (TWIs, points)					
UAH nom'l	34.098	+0.54	+3.47	-0.77	-23.32
UAH real CPI	98.423	+0.54	+3.47	-0.77	+13.73
UAH real PPI	118.365	+0.54	+3.47	-0.77	+0.51
USD nom'l	96.229	+0.00	+0.42	-1.72	+6.60
FX RATES OF KEY CURRENCIES THAT SHAPE UAH's TWIs					
USD/RUB	69.1240	+0.92	+7.63	+7.97	+13.81
EUR/USD	1.1170	+0.19	-0.37	+2.32	-7.67
USD/CNY	6.3657	+0.15	-0.21	+2.51	+2.58
USD/PLN	3.7911	-0.06	+0.41	-1.13	+6.98
USD/TRY	3.0329	+0.81	+4.05	+9.18	+29.89
USD/BYR	17,765.00	+0.41	+1.79	+13.15	+61.50
USD/KZT	243.1600	+0.87	+1.10	+29.57	+33.35
OTHER MAJOR CURRENCIES					
USD/JPY	119.2800	+0.24	-1.61	-4.42	-0.42
GBP/USD	1.5277	+0.71	-0.44	-1.47	-1.93
USD/CHF	0.9751	+0.38	+0.81	-0.67	-1.93
AUD/USD	0.6924	+0.23	-2.66	-6.08	-15.30
USD/CAD	1.3307	+0.19	+1.27	+1.43	+14.51
USD/BRL	N/A	N/A	N/A	N/A	N/A
USD/KRW	1,204.02	+0.91	+1.79	+3.13	+10.36
COMMODITIES					
Gold(\$/oz)	1,119.41	-0.36	-1.36	+2.46	-5.52
WTI crude ³	N/A	-100.0	-100.0	+0.00	-100.0
Brent crd ³	46.90	-3.66	-8.54	-4.77	-15.89
Urals crd ³	N/A	+0.00	+0.00	+0.00	+0.00
TR/J CRB ⁴	N/A	N/A	N/A	N/A	N/A

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>).

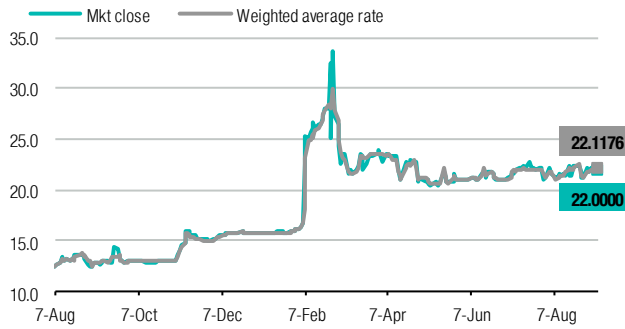
Section on FX market is continued on next page.

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.

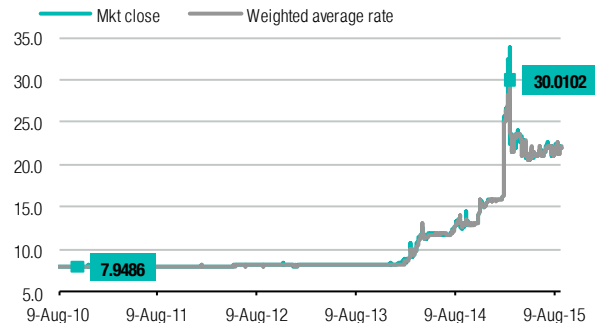
Sources: Bloomberg, Investment Capital Ukraine LLC.

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)

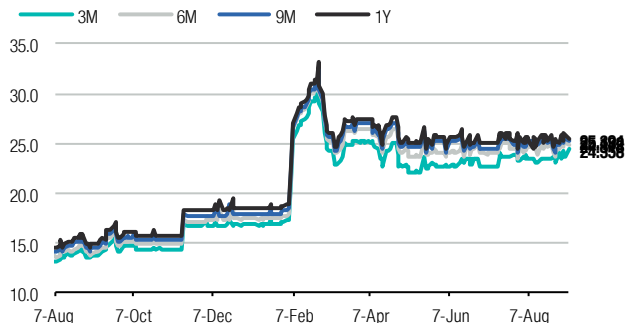


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

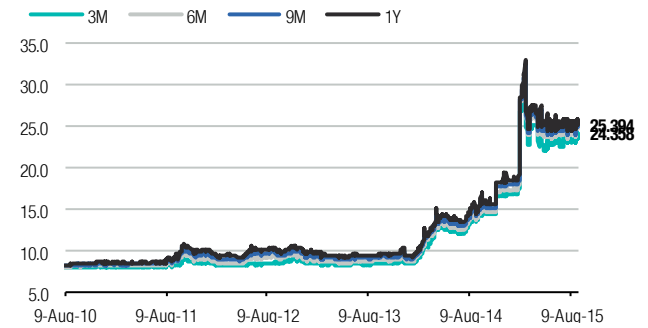


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

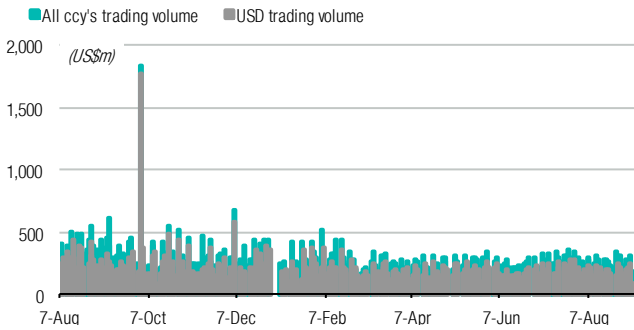


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

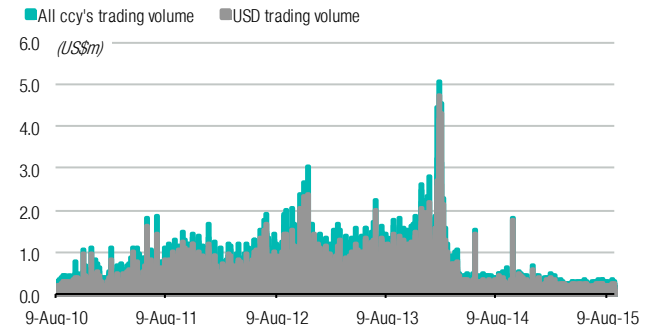


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

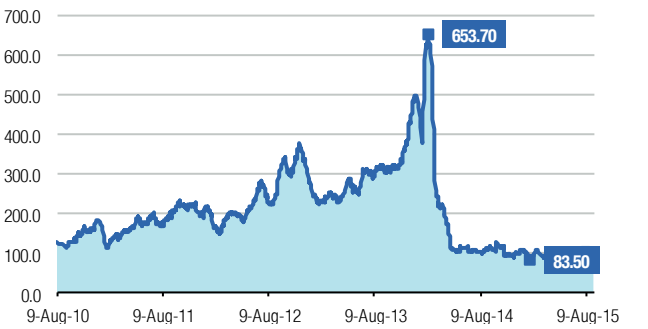
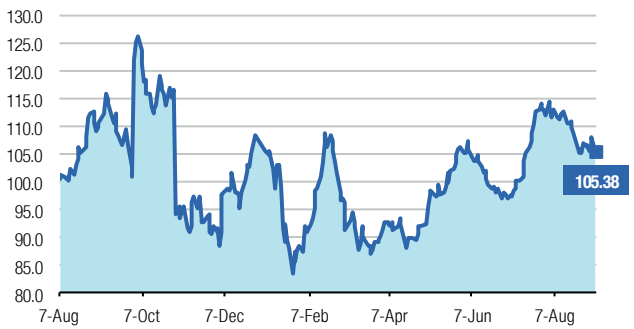


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.



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)

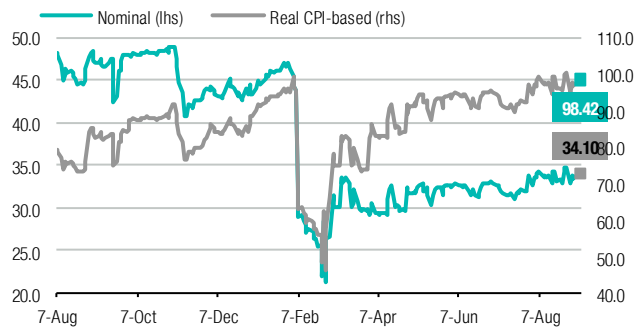


Note: * 30-day moving average; The boxes of the right chart show high and low values. Sources: NBU, State Statistics Service of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

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

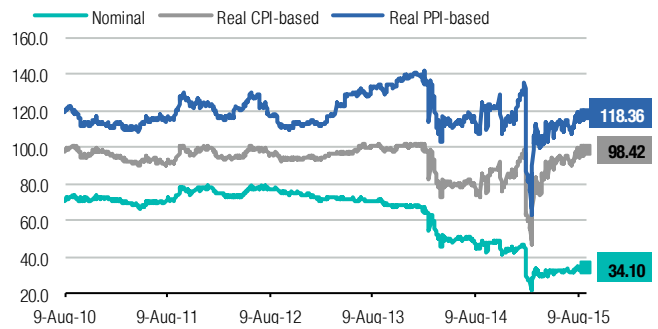
The following charts depict ICU's Ukrainian hryvnia trade-weighted indices which were calculated in accordance with methodology (for more details visit <http://www.icu.ua/en/research/currency-indices>).

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



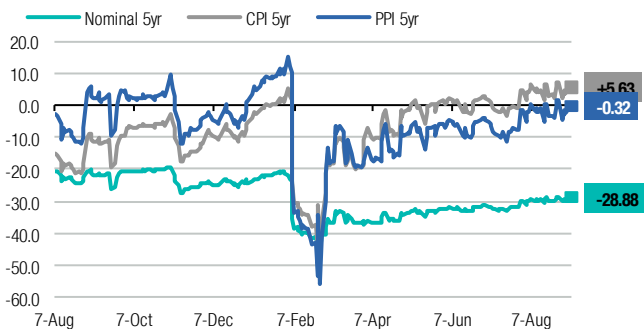
Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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

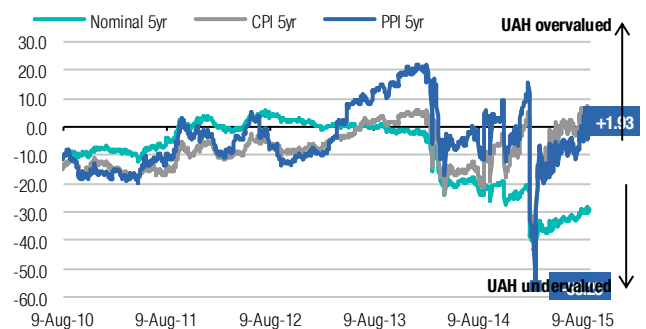


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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)

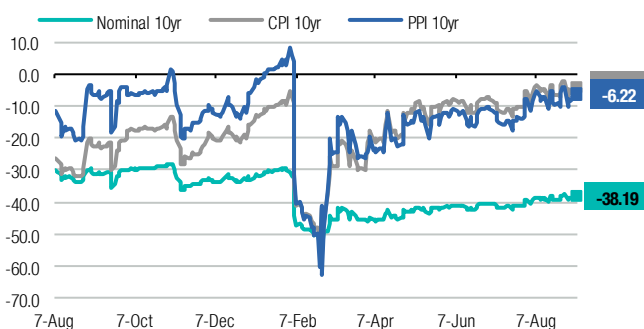


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

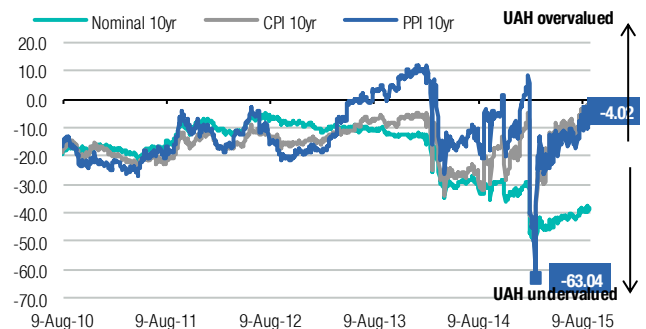


Note: the boxes indicate the high and low values of CPI-based TWI.
Source: Investment Capital Ukraine LLC.

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.

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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