

Focus
Ukraine

Scope

Economics, bonds, equity & FX markets

Research team

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# **Daily Insight**

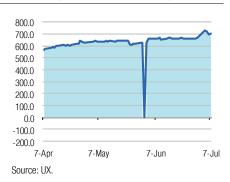
# **Expected decline**

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### FRIDAY, 8 JULY 2016

### UX Index (3 months to 8 Jul 2016)



### Key market indicators (as of 7 Jul 2016)

	Last	chg (%)	chg (%)							
FX & MONEY RATES										
USD/UAH	24.8100	-0.10	+3.25							
USD/UAH (1Y NDF)	28.8600	-0.09	+13.19							
EUR/USD	1.1063	-0.33	+1.85							
USD/RUB	64.5997	+0.35	-10.92							
KievPRIME O/N (%)	15.00	-8bp	-406bp							
KievPRIME 1M (%)	18.50	-17bp	-375bp							
SOVEREIGN EUROBONDS: yields and spreads										
Ukraine 15, Eurobond (%)	N/A	+0bp	+0bp							
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VTD

Ukraine 15, Eurobond (%)	N/A	+0bp	+0bp
Ukraine 17, Eurobond (%)	29.14	+26bp	+0bp
Ukraine 22, Eurobond (%)	12.32	-1bp	+0bp
Ukraine 23, Eurobond (%)	11.85	+0bp	+0bp
Ukraine 5Y CDS	745bp	+0bp	+0bp

EQUITIES			
Stock market indices			
UX (Ukraine)	704.42	+0.73	+2.71
MSCI World	396.92	+0.27	-0.61
MSCI EM	826.99	+0.95	+4.14
RTS (Russia)	923.85	+0.67	+22.03
WIG-20 (Poland)	1,713.51	+1.40	-7.83
S&P 500 (USA)	2,097.90	-0.09	+2.64

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**

### **Expected decline**

As is routine at the end of the first week of the month, banking sector liquidity declined UAH2.14bn to UAH95.58bn as banks' correspondent accounts with the NBU fell UAH1.37bn to UAH37.80bn and total CDs outstanding decreased UAH0.77bn to UAH57.78bn yesterday. The MoF's debt repayments made on Wednesday were mostly received by the NBU and had no impact on yesterday's liquidity indicators.

Investment implications: The decline in liquidity was anticipated and should recover slightly today or this Monday, possibly reaching UAH100bn or higher. Banks now prefer ON CDs; total CDs outstanding is very sensitive, especially in relation to the FX market. Yesterday's NBU FX auction should support liquidity, but not significantly.

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### **Bondholders' structure**

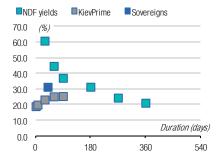
The recent auction and debt redemption slightly changed the bondholders' structure, causing shares to adjust slightly yesterday. After the debt redemption, the NBU's portfolio slid UAH2.00bn to UAH375.29bn and its share slid 15bp to 68.84%, the lowest share since April 2015. Having purchased bonds on Tuesday and even more on the secondary market, banks increased their portfolio by UAH0.63bn to UAH133.45bn and their share by 19bp to 24.28%. At the same time, the other residents' portfolio slid 0.37bn to UAH14.07bn and their share declined UAH6bp to 2.58%. The non-residents' portfolio and share remained steady with insufficient changes, at UAH22.31bn and 4.09%, respectively.

Investment implications: Over the past few months, the NBU has not purchased bonds. Instead, all bonds sold at the primary market were purchased by banks and other residents. This is very positive, indicating that the NBU no longer needs to support the primary market and budget financing. The market is now able and ready to finance the budget under current market conditions which are also acceptable to the MoF.

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### Yield curve of the local bond market

(as of market close on 7 Jul 2016)



Sources: Bloomberg, Investment Capital Ukraine LLC.

### Bond market indicators (as of 7 Jul 2016)

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

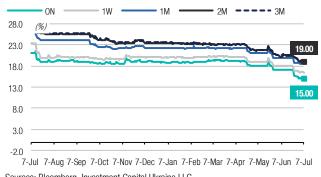
MONEY N	MARKET KI	EV PRIME I	RATES (%)		
0/n	15.00	-8bp	-17bp	-200bp	-406bp
1wk	16.50	-17bp	-17bp	-150bp	-350bp
1m	18.50	-17bp	-17bp	-150bp	-375bp
2m	18.50	-42bp	-75bp	-175bp	-500bp
3m	19.00	-25bp	-58bp	-150bp	-475bp
LIQUIDIT	Y WIDE ME	ASUREMEN	NT (UAHm)		
CB acc's <sup>1</sup>	37,804	-6.21	-17.44	+8.72	-7.81
CDs <sup>2</sup>	57,778	-19.34	-10.63	-26.08	-46.30
Sovgns <sup>3</sup>	7,843	+0.00	-21.46	-35.90	+65.71
Total	103,426	-13.07	-14.45	-16.67	-30.84
HOLDERS	OF UAH S	OVEREIG	N BONDS	(UAHm)	
C.bank	375,285	-0.53	-0.53	-0.90	-1.19
Banks	133,454	+0.47	+0.19	+0.30	+63.61
Resid's <sup>4</sup>	14,069	-2.53	-2.62	-0.27	-32.99
Non-res <sup>5</sup>	22,308	-0.01	-0.05	-0.43	+0.01
Total	545,117	-0.32	-0.39	-0.57	+8.01
NDF IMPI	LIED YIELI	OS (%)			
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 CI	JRRENCY	UAH SOVE	REIGN BON	ID 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 <sup>6</sup>	N/A	N/A	N/A	N/A	N/A
EUROBON	IDS USD S	OVEREIGN	BOND YIEL	DS (%)	
CDS 5yr	745	+0bp	+0bp	+49bp	+0bp
Jun '16	N/A	+114bp	+0bp	+0bp	+0bp
Jul '17	29.14	+26bp	+0bp	+0bp	+0bp
Sep '20	14.02	+4bp	+0bp	+0bp	+0bp
Sep '21	14.22	+0bp	+0bp	+0bp	+0bp
P				01	01
Sep '22	12.32	-1bp	+0bp	+0bp	+0bp

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.



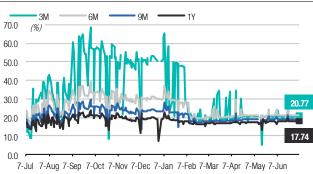
### Chart page: Local bond market & Eurobond markets

### 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 Jul 2016



### Chart 4. USD sovereign yield curve (%) as of 7 Jul 2016

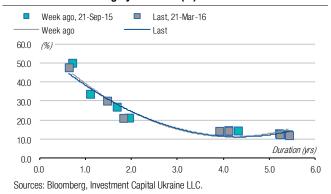
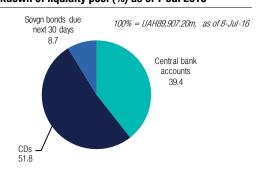


Chart 5. Banking sector liquidity (UAHbn), last 12-month period



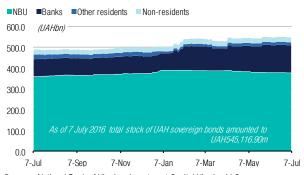
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 6. Breakdown of liquidity pool (%) as of 7 Jul 2016



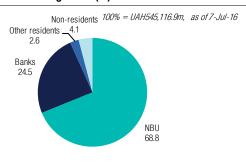
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

### 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 Jul 2016



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

Table 1. Ukrainian stocks (closing prices as of 7-Jul-2016)

		Share price performance (% change)				Valuation (US\$) Free float (FF) & Liquidity							P/E			EV/EBITDA			EV/Sales			Ratios				
Bloomberg	Listing	Last	Daily	MoM	YTD	YoY	Last	Market	EV	FF	FF	Last day	3M avg.			2014	2015E	2016E	2014	2015E	2016E	2014	2015E	2016E		Debt/
Ticker		price					price (	cap (m)	(m)	(%)															(x) Assets	
											(US\$M)	(08\$ 000)	(05\$ 000)	(%)	(days)											(%)
CAD LN	London	6.88 GBp	+0.0	-15.4	-15.4	-38.2	0.09	20.6	-15.7	40.2	8.3	0.1	8.4	0.02	5,851	Neg.	7.6	8.2	1.8	Neg.	Neg.	Neg.	Neg.	Neg.	0.4	17.5
CEEN UK	Kiev, UX	7.78 UAH	+0.7	+5.6	+70.5	+3.2	0.31	115.7	103.9	21.7	25.1	1.6	15.3	0.04	2,598	131.5	8.5	N/A	0.3	3.0	N/A	0.4	0.2	N/A	1.1	3.4
DOEN UK	Kiev, UX	13.78 UAH	-0.4	-0.9	-12.6	-34.7	0.56	13.1	19.1	14.2	1.9	1.1	2.5	0.09	1,176	Neg.	N/A	N/A	0.1	N/A	N/A	0.1	N/A	N/A	0.2	4.2
JKX LN	London	17.25 GBp	+4.5	-19.8	-36.7	-19.8	0.22	38.3	46.7	47.2	18.1	3.2	7.1	0.04	2,584	Neg.	Neg.	Neg.	Neg.	1.9	N/A	0.5	0.6	0.7	0.2	13.0
RPT LN	London	3.88 GBp	-9.9	+18.3	+3.3	-22.3	0.05	16.1	-16.9	80.9	13.0	3.8	3.6	0.03	2,961	Neg.	N/A	N/A	Neg.	N/A	N/A	Neg.	N/A	N/A	0.2	0.0
SGR PW	Warsaw	0.17 PLN	-19.0	-19.0	-43.3	-43.3	0.04	1.8	43.2	25.0	0.5	4.7	0.2	0.05	1,892	Neg.	N/A	N/A	Neg.	N/A	N/A	17.0	N/A	N/A	N/A	137.6
ZAEN UK	Kiev, PFTS	50.00 UAH	+0.0	+0.0	-40.5	-70.1	2.01	25.8	57.1	5.0	1.3	0.0	0.2	0.02	5,008	Neg.	N/A	N/A	0.1	N/A	N/A	0.1	N/A	N/A	0.3	11.6
. ALMK UK	Kiev, UX	0.01 UAH	+3.3	-7.3	-44.3	-52.3	0.00	6.4	2,490.4	3.9	0.2	0.0	0.1	0.03	2,926	Neg.	N/A	N/A	15.2	N/A	N/A	7.9	N/A	N/A	N/A	192.1
FXPO LN	London	34.00 GBp	+5.4	+9.7	+58.1	-40.6	0.44	259.0	1,126.5	22.4	58.0	304.5	379.2	0.35	285	7.8	2.2	3.1	8.1	4.3	5.9	1.2	1.3	1.3	1.1	73.7
YASK UK	Kiev, UX	0.14 UAH	+0.0	-8.0	-40.0	-48.7	0.01	1.5	2.1	9.0	0.1	0.0	0.0	0.04	2,594	Neg.	N/A	N/A	Neg.	N/A	N/A	0.0	N/A	N/A	0.0	0.0
IBUSINESS																										
ALAGR FP	EN Paris	0.33 EUR	+3.1	-5.7	-17.5	-25.0	0.37	36.3	74.5	34.0	12.3	15.9	41.3	0.13	783	Neg.	11.7	3.6	4.0	3.4	2.9	1.1	1.2	1.0	0.5	40.7
AGL PW	Warsaw	15.10 PLN	+0.0	+0.3	+32.7	+31.5	3.78	5.8	7.0	16.7	1.0	0.0	2.3	0.10	984	1.9	N/A	N/A	1.9	N/A	N/A	0.4	N/A	N/A	0.5	10.7
AGT PW	Warsaw	1.15 PLN	+0.0	-4.2	+13.9	-1.7	0.29	6.2	20.2	26.2	1.6	0.1	5.6	0.10	1,031	Neg.	N/A	N/A	0.9	N/A	N/A	0.5	N/A	N/A	0.1	32.4
AST PW	Warsaw	45.10 PLN	+0.2	-5.1	+30.7	+46.5	11.29	282.1	431.7	31.0	87.5	1.2	85.0	0.02	4,457	16.0	3.7	3.0	3.3	3.4	3.1	1.2	1.1	1.0	1.1	41.5
AVGR LI I	ondon Intl	0.87 USD	+0.0	-5.4	-30.4	-13.0	0.87	55.6	383.7	21.7	12.1	0.0	7.3	0.04	2,584	Neg.	5.1	N/A	Neg.	7.8	N/A	1.7	1.4	N/A	0.3	53.9
IMC PW	Warsaw	6.80 PLN	+2.1	-2.9	+13.9	+51.1	1.70	53.3	139.4	23.9	12.7	2.6	16.3	0.08	1,199	3.6	2.6	2.3	2.1	2.8	3.0	1.0	0.9	0.8	0.9	56.8
KER PW	Warsaw	52.00 PLN	+1.0	-3.4	+8.1	+35.1	13.01	1,036.8	1,475.9	58.8	609.4	340.0	1,420.4	0.32	313	9.7	4.6	4.3	3.7	4.2	4.0	0.6	0.7	0.6	1.1	32.0
KSG PW	Warsaw	1.57 PLN	+0.0	-9.2	+68.8	+170.7	0.39	5.9	69.2	34.4	2.0	2.2	13.3	0.30	334	Neg.	N/A	N/A	6.9	N/A	N/A	2.1	N/A	N/A	N/A	67.4
MHPC LI L	ondon Intl	9.00 USD	+0.0	-3.2	-3.2	-11.3	9.00	951.0	2,203.9	22.3	212.3	54.7	352.3	0.06	1,556	Neg.	5.1	3.9	4.8	5.3	5.0	1.9	1.7	1.5	1.6	61.6
MLK PW	Warsaw	1.68 PLN	+5.0	+0.0	+18.3	+14.3	0.42	13.1	130.0	20.0	2.6	2.3	10.6	0.12	821	Neg.	Neg.	Neg.	9.5	14.5	8.5	0.6	0.6	0.6	0.1	42.5
OVO PW	Warsaw	96.00 PLN	-1.0	-0.2	+6.1	+23.1	24.02	144.1	152.6	25.0	36.0	4.6	2.5	0.00	59,156	4.7	6.1	6.4	4.4	5.4	5.6	2.0	1.9	1.6	1.9	16.9
ON				-																						
KDM PW	Warsaw	2.13 PLN	-0.9	-5.3	-53.5	-28.8	0.53	5.0	-10.8	10.9	0.5	0.6	0.2	0.06	1,560	Neg.	N/A	N/A	3.7	N/A	N/A	Neg.	N/A	N/A	0.1	8.9
																-						-				
TR61 GF	Frankfurt	0.01 EUR	+0.0	+0.0	-85.7	-50.0	0.01	0.6	93.4	13.1	0.1	0.0	0.1	0.23	431	Neg.	N/A	N/A	Neg.	N/A	N/A	3.6	N/A	N/A	0.0	41.9
VICES																,										
BAVL UK	Kiev, UX	0.10 UAH	+1.5	+28.7	+36.1	+15.8	0.00	253.9	N/A	3.8	9.7	5.9	6.0	0.05	1,844	Neg.	3.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.9	14.4
USCB UK		0.06 UAH	+0.0	-5.1	-37.6	-25.7	0.00	286.8	N/A	4.5	12.8	0.0	0.6	0.00	77,274	Neg.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.3	24.3
	CAD LN CEEN UK DOEN UK JKX LN RPT LN SGR PW ZAEN UK  ALMK UK FXPO LN YASK UK  BUSINESS ALAGR FP AGL PW AST PW AVGR LIL IMC PW KER PW KSG PW MHPC LIL MLK PW OVO PW ON KDM PW TR61 GF	Ticker  CAD LN London CEEN UK Kiev, UX DOEN UK Kiev, UX JKX LN London RPT LN London SGR PW Warsaw ZAEN UK Kiev, UX FXPO LN London YASK UK Kiev, UX BUSINESS ALAGR FP EN Paris AGL PW Warsaw AST PW Warsaw AST PW Warsaw AVGR LI London Intl IMC PW Warsaw KER PW WARSAW	Listing Ticker	CAD LN	CAD LN	CAD LN   London   Cab   Listing   Last   Daily   MoM   YTD	CAD LN   London   Can See	CAD LN   London   Last   Las	Daily   MoM   YTD   YoY   Last   Market   price   Cap (m)	CAD LN   London   CAB GBp   Ho.0   Ho.0	CAD LN   London   Listing   Listing   Ticker   Listing   Listing   Daily   MoM   YTD   YOY   Last   Market   EV   FF   price   Cap (m)   (m)   (%)   (%)	CAD LIN   London   Listing   List   price   List   Lis	CAD LIN   London   6.88 GBp   +0.0   -15.4   -15.4   -38.2   0.09   20.6   -15.7   40.2   8.3   0.1		Bloemberg   Listing   Last   price   Last   price   Last   price   Last   Daily   MoM   YTD   YOY   Last   Market   EV   price cap (m)   (m)   (%)   mit cap   turnover turnover   turnov	Bloomberg   Listing   Ticker   Price   Price	Bloomberg   Listing   Last   Daily   MoM   YTD   Vot   Last   Market   EV   price   cap (m)   (m)   (%)   mit cap turnover turnover turnover (USSm) (USS 000) (USS 000)   Vision   Vi	Bloomberg   Listing   Ticker   Daily   Mol   YTD   Vey   Last   Market   EV   Price cap (m)   (m)   (%)   (m)   (m)   (%)   (m)   (m)   (%)   (m)   (m)	Bloomberg   Listing   Listing   Listing   Listing   Listing   Listing   Daily   Mol.   VTD   Very   List   Market   Every   Price   September   Cyl   Willing   Cyl   Willin	Bloomberg   Listing   Li	Bloomberg   Listing   Li	Bloomberg   Listing   Last   Daily   Mol   YID   Yo   Last Market   EV   FF   FF   Last day   3M avg.   FF share   Trover   trinder   Trover   Trinder   Trover   Trinder   Trover   Trinder   Trover   Trinder   Trover   Trinder   Trind	Stocker   CaDin   Ca			

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 8 Jul 2016)



### FX market indicators (as of 7 Jul 2016)

.ast	Daily	Weekly	MoM	YTD
	chg (%)	chq (%)	chq (%)	chg (%)

		city (%)	chg (%)	City (70)	City (%)							
USD/UAH MARKET (HRYVNIA per US DOLLAR)												
Spot mkt	24.8100	-0.10	-0.08	-0.64	+3.25							
NBU avg	24.8148	-0.11	-0.05	-0.59	+4.30							
Ttl vlm <sup>1</sup>	351.56	+12.74	-26.03	+36.70	-3.22							
\$ volume <sup>2</sup>	220.63	+18.92	-31.48	+23.12	-12.12							
NDF 3M	26.0600	-0.10	-0.08	-0.61	+0.00							
NDF 6M	27.3600	-0.09	-0.07	-0.58	-0.61							
NDF 1Y	28.8600	-0.09	-0.07	-0.55	+13.19							
TRADE-WI	EIGHTED IN	DICES (TV	VIs, points	)								
UAH nom'l	27.161	+0.24	+0.67	+2.01	-5.02							
UAH real CPI	93.488	+0.24	+0.67	+2.01	-4.58							
UAH real PPI	126.098	+0.24	+0.67	+2.01	-3.29							
USD nom'l	96.328	+0.29	+0.19	+2.66	-2.33							
FX RATES	OF KEY CU	RRENCIES	THAT SH	IAPE UAH'								
USD/RUB	64.5997	+0.35	+1.14	-0.07	-10.92							
EUR/USD	1.1063	-0.33	-0.39	-2.60	+1.85							
USD/CNY	6.6820	-0.10	+0.51	+1.68	+2.90							
USD/PLN	4.0079	+0.21	+1.67	+4.58	+2.17							
USD/TRY	2.9373	-0.01	+2.07	+1.39	+0.69							
USD/BYR	20,125.00	-0.17	+0.12	+1.31	+8.04							
USD/KZT	338.0000	+0.25	-0.35	+1.12	-0.76							
OTHER MA	JOR CURR	ENCIES										
USD/JPY	100.7700	-0.54	-2.35	-6.15	-16.18							
GBP/USD	1.2908	-0.18	-3.03	-11.25	-12.40							
USD/CHF	0.9787	+0.39	+0.28	+1.39	-2.34							
AUD/USD	0.7479	-0.55	+0.38	+0.27	+2.65							
USD/CAD	1.3002	+0.31	+0.60	+2.10	-6.05							
USD/BRL	3.3675	+1.13	+4.81	-2.17	-14.98							
USD/KRW	1,154.53	-0.95	+0.24	-0.71	-1.75							
COMMIDIT	TES											
Gold(\$/oz)	1,360.41	-0.25	+2.89	+9.37	+28.17							
WTI crude <sup>3</sup>	45.14	-4.83	-6.60	-10.37	+21.87							
Brent crd <sup>3</sup>	44.88	-5.10	-7.31	-10.20	+25.54							
Urals crd <sup>3</sup>	N/A	+0.00	+0.00	+0.00	+0.00							
TR/J CRB <sup>4</sup>	185.70	-2.24	-3.57	-3.50	+5.43							

Readers may follow the ICU trade-weighted indices of the local-currency, the hryvnia (UAH), on the ICU <u>website</u> 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)





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

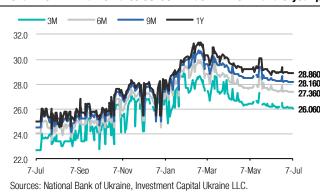
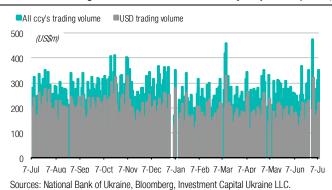




Chart 11. Trading volume: last 12-month and 5-year periods (US\$m, left and right respectively)



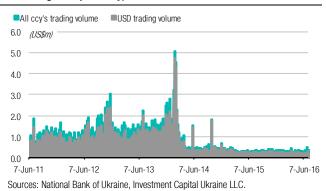
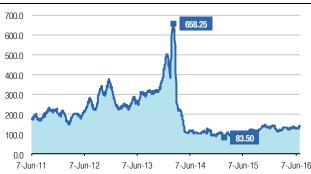


Chart 12. 30D MA\* ratio of FX market turnover to merchandise trade: last 12m and 5yr periods (%, left and right respectively)





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

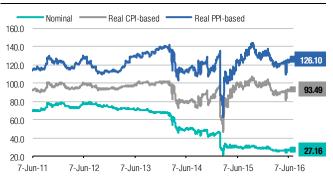
The following charts depict ICU's Ukrainian hryvnia trade-weighted indices which were calculated in accordance with methodology (for more details visit <a href="http://www.icu.ua/en/research/currency-indices">http://www.icu.ua/en/research/currency-indices</a>).

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



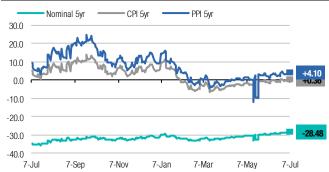
Note: The boxes indicate the last values of the depicted indicators. Source: Investment Capital Ukraine LLC.

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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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.

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