Focus
Ukraine

Scope
Economics, bonds, equity & FX markets

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Daily Insight

Banks pass the 2014 stress test targets

THURSDAY, 2 JULY 2015

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UX Index (3 months to 2 Jul 2015)

Source: UX.

Key market indicators (as of 1 Jul 2015)

	Last	Daily chg (%)	YTD chg (%)
FX & MONEY RATES			
USD/UAH	21.0100	+0.00	+32.81
USD/UAH (1Y NDF)	25.0153	+0.00	+35.58
EUR/USD	1.1053	-0.84	-8.64
USD/RUB	55.8424	+0.91	-8.06
KievPRIME O/N (%)	21.00	+0bp	+210bp
KievPRIME 1M (%)	28.00	+0bp	+810bp
SOVEREIGN EUROBONDS: yields and spreads			
Ukraine 15, Eurobond (%)	415.37	+1,102bp	+35,360bp
Ukraine 17, Eurobond (%)	53.61	+248bp	+2,585bp
Ukraine 22, Eurobond (%)	20.51	+16bp	+426bp
Ukraine 23, Eurobond (%)	19.66	+20bp	+409bp
Ukraine 5Y CDS	2,749bp	-52bp	+550bp
EQUITIES			
Stock market indices			
UX (Ukraine)	1,013.07	-1.28	-1.96
MSCI World	426.02	+0.59	+2.13
MSCI EM	971.91	-0.03	+1.63
RTS (Russia)	930.66	-0.99	+18.23
WIG-20 (Poland)	2,293.03	-1.07	-0.99
S&P 500 (USA)	2,077.42	+0.69	+0.90

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.

READ FIRST THE DISCLOSURES SECTION FOR IMPORTANT DISCLOSURES AND ANALYST CERTIFICATION

Economics: News & Comments

Banks fulfill recapitalization requirements under the 2014 stress test

The NBU announced that the banks that were obliged to raise additional capital in response to the 2014 stress test have successfully achieved the target. Apart from the two insolvent banks, namely Nadra and Delta, the other selected banks replenished their capital.

Three state owned banks jointly raised UAH20.9bn over the period – mainly in the form of newly issued government bonds. Affiliates of Russian banks (UAH19.0bn) and European banks (UAH5.4bn) have basically converted loan facilities from the parent groups into equity.

Table 1. Share capital (UAHm)

	Dec-13	Jun-14	Dec-14	May-15	Change
Privatbank	16,372	18,120	19,121	19,121	2,749
Ukreximbank	16,514	16,689	21,689	21,689	5,175
Oschadbank	17,230	17,230	29,901	29,901	12,672
Ukrgazbank	9,799	9,618	9,618	12,821	3,023
PIB	8,205	8,222	12,633	21,833[1]	13,628[1]
VTB	5,416	5,416	6,616	10,816	5,400
Ukrsotsbank	4,125	4,104	4,123	9,496	5,370
Nadra[2]	4,529	4,529	4,923	4,923	394
Delta[2]	2,327	3,727	3,727	4,894	2,567
TOTAL					**50,978[1]**

Notes: Top-9 banks subject for additional capital increase under the 2014 stress test; [1]assumed the UAH9.2bn capital increase currently in progress; [2] insolvent;

Sources: National Bank of Ukraine, ICU.

The revaluation of the FX-denominated foreign debt has increased the Tier 2 capital of the selected banks by up to UAH16bn.

Even though the 2014 stress test was overly optimistic in its assumptions and top-20 banks will face yet another round of stress testing in 2015, completion of the program is a strongly positive sign for the Ukrainian banking system.

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Bonds: News & Comments

Liquidity down with reallocations

Broader banking sector liquidity slid UAH0.32bn to UAH67.91bn yesterday as banks' correspondent accounts with the NBU declined UAH1.66bn to UAH22.37bn and total CDs outstanding increased UAH1.34bn to UAH39.22bn. The NBU increased the volume of ON CDs which should decline today after yesterday's repayments and new issues. Total local currency debt repayments scheduled for the next 30 days remained steady at UAH6.32bn.

Investment implications: Although the NBU absorbed extra liquidity it purchased UAH1.5bn of new government bonds, issued the same day, even though yesterday was the last day of month-end tax payments. As these funds could cover some of the outflows, if they were immediately spent yesterday, the decline in liquidity was postponed for only one day. The significantly high level of funds accumulated at treasury accounts also confirmed this, as July began with UAH25.45bn of funds available for the government, UAH2.3bn lower than in June.

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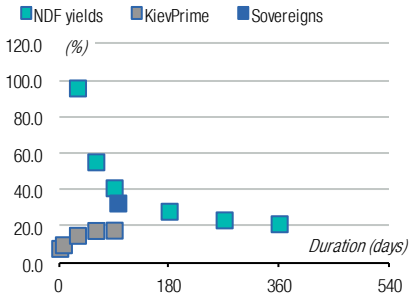
Yield curve of the local bond market
(as of market close on 1 Jul 2015)



Sources: Bloomberg, Investment Capital Ukraine LLC.

Bond market indicators (as of 1 Jul 2015)

	Last	Daily chg (%)	Weekly chg (%)	MoM chg (%)	YTD chg (%)
MONEY MARKET KIEV PRIME RATES (%)					
O/n	21.00	+0bp	+0bp	-133bp	+210bp
1wk	23.00	+0bp	-17bp	-117bp	+400bp
1m	28.00	+0bp	+0bp	+0bp	+810bp
2m	26.67	-66bp	+0bp	+67bp	+667bp
3m	26.67	-66bp	+0bp	+67bp	+667bp
LIQUIDITY WIDE MEASUREMENT (UAHm)					
CB acc's[1]	22,373	-6.90	+1.82	-2.12	-32.72
CDs[2]	11,329	-2.17	-30.97	-55.42	-28.23
Sovgns[3]	5,105	-9.15	+23.01	+2.55	+12.65
Total	**38,807**	-5.88	-8.76	-27.12	-27.56
HOLDERS OF UAH SOVEREIGN BONDS (UAHm)					
C.bank	357,821	+0.42	+0.42	+5.13	+12.48
Banks	82,218	-0.01	+2.36	-11.15	-12.00
Resid's[4]	25,508	-0.06	+17.21	-6.03	+3.90
Non-res[5]	22,951	-0.04	-1.99	-5.30	+6.53
Total	**488,499**	+0.30	+1.38	+0.87	+6.74
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	2,749	-52bp	-126bp	-586bp	+550bp
Jun '16	100.90	+193bp	+709bp	+11bp	+64bp
Jul '17	53.61	+248bp	+321bp	+166bp	+26bp
Sep '20	26.01	+120bp	+125bp	-77bp	+716bp
Sep '21	23.43	-12bp	+36bp	-276bp	+489bp
Sep '22	20.51	+16bp	+44bp	-230bp	+426bp
Feb '23	19.66	+20bp	+17bp	-165bp	+409bp

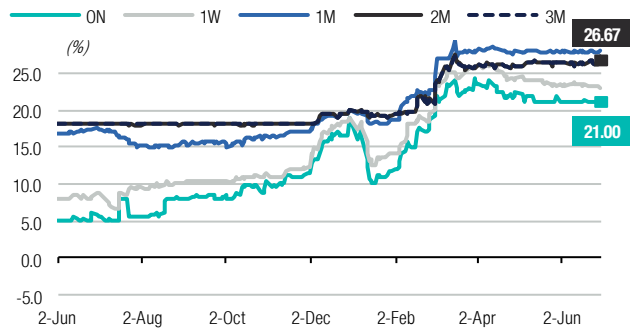
Notes: [1] banks' account balance at NBU; [2] certificates of deposits issued by NBU; [3] UAH sovereign bonds due next 30 days; [4] residents; [5] non-residents; [6] VAT bond.

Sources: Bloomberg, Investment Capital Ukraine LLC.

Section on Bond market is continued on next page.

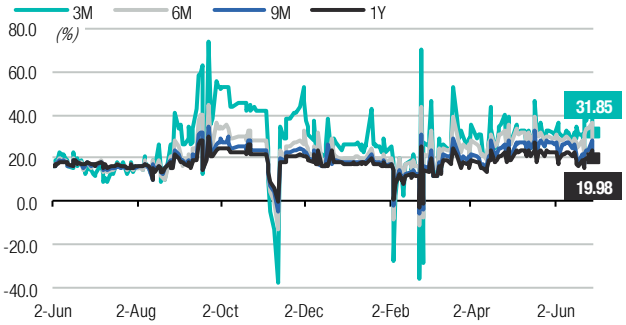
Chart page: Local bond market & Eurobond markets

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



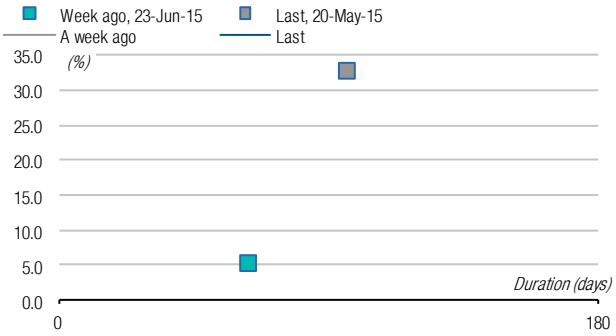
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



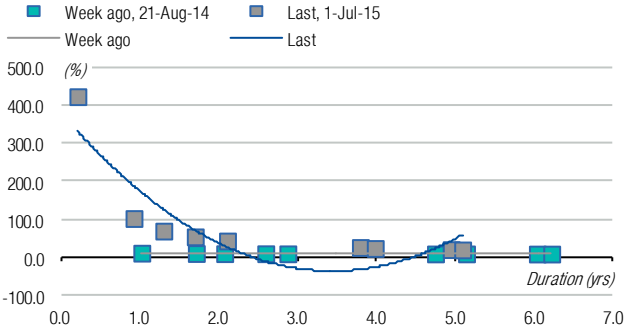
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 3. UAH sovereign yield curve (%) as of 1 Jul 2015



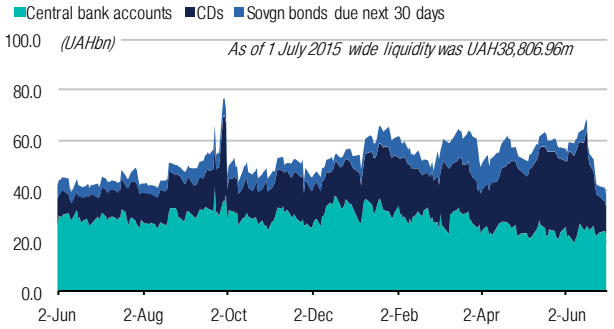
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 4. USD sovereign yield curve (%) as of 1 Jul 2015



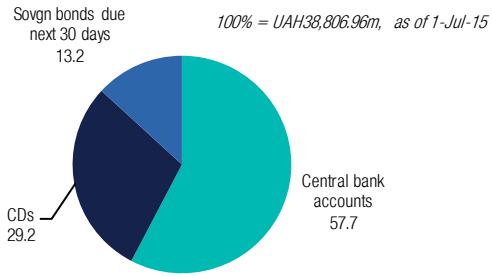
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



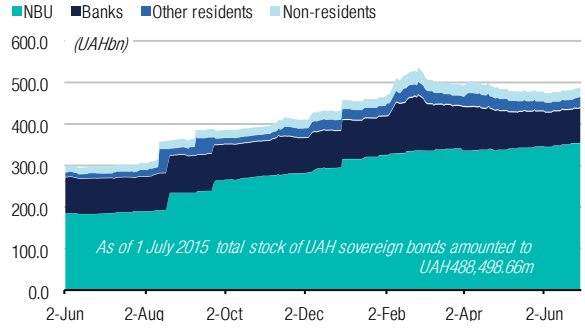
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 6. Breakdown of liquidity pool (%) as of 1 Jul 2015



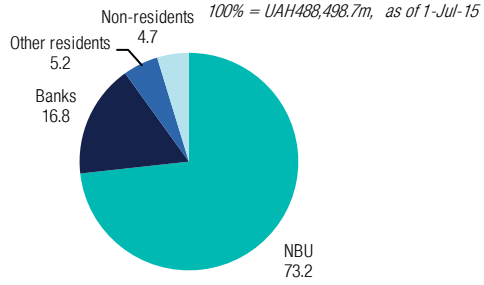
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

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 1 Jul 2015



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

Table 2. Ukrainian stocks (closing prices as of 1-Jul-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	**10.13 GBp**	-12.9	+3.8	+1.3	+5.2	0.16	36.5	5.2	40.2	14.7	44.9	32.0	0.62	161	Neg.	N/A	N/A	Neg.	N/A	N/A	0.2	N/A	N/A	0.4	15.3
Centrenergo	CEEN UK	Kiev, UX	**7.73 UAH**	-0.2	-0.8	+2.5	+5.6	0.37	135.6	140.7	21.7	29.4	31.4	20.3	0.10	1,047	40.5	Neg.	6.5	0.4	Neg.	2.9	0.4	0.3	0.2	1.3	4.2
Coal Energy	CLE PW	Warsaw	**0.70 PLN**	-2.8	+22.8	+12.9	-41.7	0.18	8.3	80.9	25.0	2.1	1.7	2.0	0.13	777	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	**21.85 UAH**	-1.1	-7.0	-33.8	-44.4	1.04	24.5	38.5	14.2	3.5	1.8	5.9	0.18	569	5.1	Neg.	N/A	0.0	10.7	N/A	0.2	0.2	N/A	0.3	13.6
JKX Oil & Gas	JKX LN	London	**27.50 GBp**	+0.0	-6.8	+129.2	-52.0	0.43	73.9	84.9	47.2	34.9	3.0	185.5	0.04	2,514	Neg.	Neg.	Neg.	Neg.	1.6	N/A	0.6	0.6	1.1	0.3	9.9
Regal Petroleum	RPT LN	London	**4.75 GBp**	-0.5	+2.6	+51.8	-45.8	0.07	23.8	-8.1	80.9	19.2	5.7	4.1	0.02	5,819	4.1	7.9	N/A	Neg.	Neg.	N/A	Neg.	Neg.	N/A	0.3	0.0
Zakhidenergo	ZAEN UK	Kiev, PFTS	**167.00 UAH**	+0.0	+0.6	+12.8	+19.3	7.93	101.4	152.8	5.0	5.1	0.0	0.4	0.00	35,845	Neg.	N/A	N/A	0.1	N/A	N/A	0.3	N/A	N/A	0.7	11.6
METALLURGY																											
Alchevsky Meta...	ALMK UK	Kiev, UX	**0.01 UAH**	-2.2	-9.7	-9.7	-64.6	0.00	16.0	1,964.6	3.9	0.6	0.0	0.9	0.14	732	Neg.	Neg.	N/A	0.7	Neg.	N/A	2.8	6.3	N/A	N/A	145.5
Avdiyivsky Cok...	AVDK UK	Kiev, UX	**1.15 UAH**	-0.4	-2.1	-33.8	-64.6	0.05	10.6	8.2	4.0	0.4	0.1	1.5	0.46	217	Neg.	Neg.	N/A	Neg.	Neg.	N/A	0.0	0.0	N/A	0.0	0.0
Azovstal	AZST UK	Kiev, UX	**0.78 UAH**	-1.6	-3.8	+5.2	+0.3	0.04	156.4	113.8	4.1	6.4	0.3	6.0	0.12	856	3.6	2.8	N/A	0.1	1.0	N/A	0.1	0.1	N/A	0.2	0.0
Ferrexpo PLC	FXPO LN	London	**66.50 GBp**	+0.0	-13.6	+36.0	-45.8	1.04	611.1	1,308.0	22.4	136.9	286.3	819.1	0.53	189	3.4	8.3	12.7	3.2	5.8	7.1	0.9	1.3	1.3	0.9	61.1
Yasynivsky Cok...	YASK UK	Kiev, UX	**0.26 UAH**	+2.8	-0.8	-7.9	-64.2	0.01	3.3	4.1	9.0	0.3	0.0	0.2	0.21	477	Neg.	7.8	N/A	Neg.	Neg.	N/A	0.0	0.0	N/A	0.1	0.0
Yenakievo Steel	ENMZ UK	Kiev, UX	**17.00 UAH**	-1.4	-0.9	-18.9	-60.4	0.81	8.5	0.6	9.4	0.8	0.0	2.9	0.63	158	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	**0.43 EUR**	+0.0	-6.5	+0.0	-57.8	0.48	44.0	91.8	34.0	14.9	42.1	10.2	0.05	2,203	Neg.	N/A	N/A	Neg.	N/A	N/A	1.3	N/A	N/A	0.9	35.9
Agroliga	AGL PW	Warsaw	**11.20 PLN**	+4.6	+16.1	+24.4	-43.6	2.96	4.6	5.3	16.7	0.8	1.0	2.0	0.19	514	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	**1.14 PLN**	+0.9	+16.3	-7.3	-60.0	0.30	6.5	33.9	26.2	1.7	4.0	10.4	0.49	205	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	**29.50 PLN**	-4.8	+3.8	+47.5	-32.2	7.80	194.9	428.2	31.0	60.5	27.4	222.9	0.09	1,088	Neg.	Neg.	3.7	3.6	3.6	4.2	1.1	1.1	1.0	1.2	49.6
Avangard	AVGR LI	London Intl	**1.23 USD**	+11.4	-29.2	-40.2	-87.4	1.23	78.2	340.4	21.7	17.0	17.3	24.6	0.09	1,123	Neg.	Neg.	2.1	2.6	5.0	4.2	0.8	0.9	0.8	0.2	33.1
IMC	IMC PW	Warsaw	**4.50 PLN**	-3.0	+0.0	-20.6	-55.5	1.19	37.2	145.7	23.9	8.9	98.5	8.0	0.25	394	Neg.	4.6	1.2	2.5	2.6	2.5	1.1	0.9	0.7	1.4	69.8
Kernel Holding...	KER PW	Warsaw	**38.29 PLN**	+1.4	-1.3	+34.5	+19.5	10.12	806.3	1,280.5	58.8	473.9	517.1	1,281.8	0.15	680	Neg.	6.2	4.9	5.7	3.8	3.8	0.5	0.5	0.5	0.9	39.1
KSG Agro	KSG PW	Warsaw	**0.64 PLN**	+0.0	+6.7	-42.9	-85.9	0.17	2.5	67.6	34.4	0.9	0.2	3.4	0.10	1,014	Neg.	N/A	0.1	7.8	N/A	N/A	0.9	0.7	0.6	N/A	44.5
MHP	MHPC LI	London Intl	**10.10 USD**	+0.0	-7.8	+9.8	-32.7	10.10	1,067.2	2,227.2	22.3	238.2	1,202.3	597.9	0.36	280	Neg.	5.7	4.3	4.0	4.4	4.4	1.6	1.8	1.7	2.5	53.0
Milkiland	MLK PW	Warsaw	**1.55 PLN**	+0.0	-29.5	+4.7	-77.9	0.41	12.8	125.9	20.0	2.6	5.7	10.6	0.30	330	Neg.	Neg.	1.7	9.2	4.3	3.9	0.4	0.5	0.5	0.1	42.5
Ovostar Union	OVO PW	Warsaw	**78.50 PLN**	+0.0	-1.9	+9.0	+8.3	20.74	124.5	134.7	25.0	31.1	0.9	125.9	0.14	731	4.9	5.4	6.2	4.6	5.2	4.5	1.7	1.8	1.6	1.5	9.4
CONSTRUCTION																											
TMM	TR61 GF	Frankfurt	**0.02 EUR**	+0.0	-40.0	-81.3	-93.3	0.02	0.9	128.0	13.1	0.1	0.0	0.2	0.14	703	Neg.	N/A	N/A	Neg.	N/A	N/A	3.9	N/A	N/A	0.0	45.5
FINANCIAL SERVICES																											
Raiffeisen Ban...	BAVL UK	Kiev, UX	**0.09 UAH**	-1.6	+0.4	-5.8	-39.7	0.00	128.6	N/A	3.8	4.9	1.3	9.3	0.15	667	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	**0.08 UAH**	+0.0	-22.1	-36.2	-51.1	0.00	97.2	N/A	4.5	4.4	0.0	0.5	0.02	4,210	Neg.	Neg.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.3	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 kept stable, real rate appreciates

The NBU repeated its support from the previous day, with bid/offer quotes at the same level of 21/23 per US dollar. The hryvnia closed flat to previous day at 21.01/USD on trading volume of US$237m. Although the bank did not disclose how much FX it bought from the market yesterday, a banking official did reveal that in June its net volume of interventions (resulting in a recovery of FX reserves) amounted to US$240m. On the back if this track record of central bank policymaking over the past few months, including two major policy preferences of FX market interventions and an accumulation of FX reserves, a pegged regime appears to have been implicitly reinstated. In our opinion, this will probably be abandoned in favor of the IMF's preferred policy that resembles managed flexibility. Our belief in this conclusion is reinforced by the fact that high inflation has already eroded the currency devaluation that occurred in 1Q15. As the hryvnia's real trade weighted value rose 0.56% over yesterday alone, 4.54% over the past month, and 7.80% since the start of 2015, such high inflation merely destroys a currency's competitive advantage over a very short time span (just four months).

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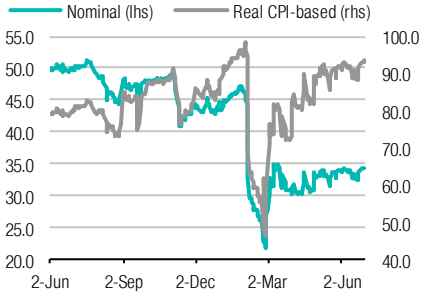
Readers may follow the ICU trade-weighted indices of the local-currency, the hryvnia (UAH), on the ICU website and Bloomberg (type: ALLX UTWI <GO>).

Section on FX market is continued on next page.

ICU's UAH trade-weighted indices

(Last 12-month history to 2 Jul 2015)



Source: Investment Capital Ukraine LLC.

FX market indicators (as of 1 Jul 2015)

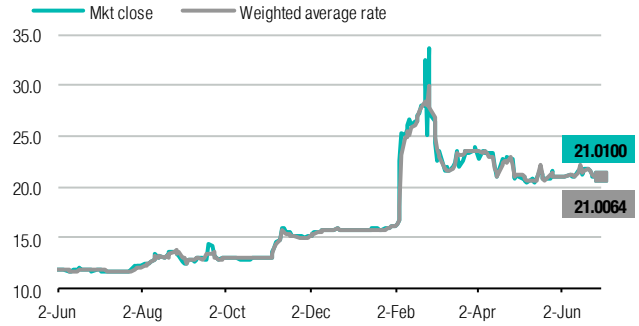
	Last	Daily chg (%)	Weekly chg (%)	MoM chg (%)	YTD chg (%)
USD/UAH MARKET (HRYVNIA per US DOLLAR)					
Spot mkt	21.0100	+0.00	-0.78	-1.13	+32.81
NBU avg	21.0064	+0.01	-0.81	-0.60	+33.22
Ttl vlm[1]	287.81	-1.81	+28.00	+10.78	-33.20
$ volume[2]	237.17	+15.70	+53.88	+19.84	-33.06
NDF 3M	22.6653	+0.00	-2.93	-0.14	+34.51
NDF 6M	24.0153	+0.00	-1.78	-0.13	+38.02
NDF 1Y	25.0153	+0.00	+0.06	-0.13	+35.58
TRADE-WEIGHTED INDICES (TWIs, points)					
UAH nom'l	34.316	+0.56	+2.02	+4.54	-22.83
UAH real CPI	93.291	+0.56	+2.02	+4.54	+7.80
UAH real PPI	111.575	+0.56	+2.02	+4.54	-5.26
USD nom'l	96.310	+0.86	+1.10	+1.06	+6.69
FX RATES OF KEY CURRENCIES THAT SHAPE UAH's TWIs					
USD/RUB	55.8424	+0.91	+2.53	+7.57	-8.06
EUR/USD	1.1053	-0.84	-1.36	-1.30	-8.64
USD/CNY	6.2016	+0.01	-0.09	-0.03	-0.06
USD/PLN	3.7895	+0.78	+1.80	+4.20	+6.94
USD/TRY	2.6917	+0.38	+0.52	-0.61	+15.28
USD/BYR	15,352.00	+0.27	-0.31	+7.58	+39.56
USD/KZT	186.2600	+0.03	+0.03	+0.11	+2.14
OTHER MAJOR CURRENCIES					
USD/JPY	123.1700	+0.55	-0.55	+2.51	+2.83
GBP/USD	1.5617	-0.60	-0.57	+3.10	+0.26
USD/CHF	0.9484	+1.38	+1.57	+1.72	-4.62
AUD/USD	0.7645	-0.80	-0.77	-2.62	-6.48
USD/CAD	1.2590	+0.77	+1.67	+3.54	+8.34
USD/BRL	3.1492	+1.49	+1.64	+4.47	+18.50
USD/KRW	1,117.59	+0.19	+0.82	+3.73	+2.44
COMMIDITIES					
Gold($/oz)	1,168.83	-0.31	-0.56	-0.83	-1.35
WTI crude[3]	56.96	-4.22	-5.26	-3.70	+6.93
Brent crd[3]	60.88	-0.78	-1.93	-6.91	+9.18
Urals crd[3]	N/A	+0.00	+0.00	+0.00	+0.00
TR/J CRB[4]	224.06	-1.37	+0.01	-1.71	-2.56

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.

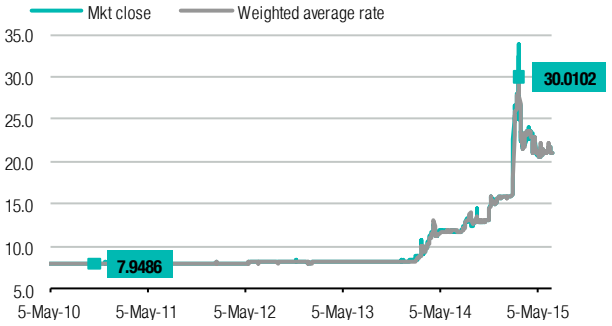
Sources: Bloomberg, Investment Capital Ukraine LLC.

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)

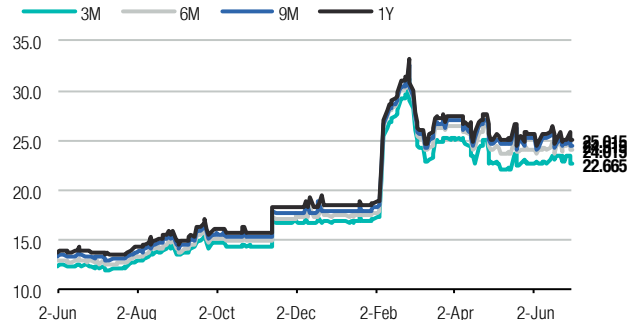


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

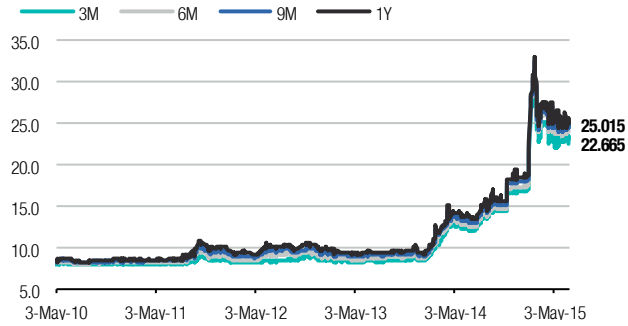


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

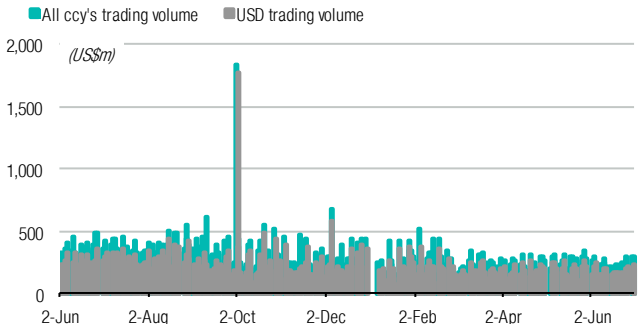


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

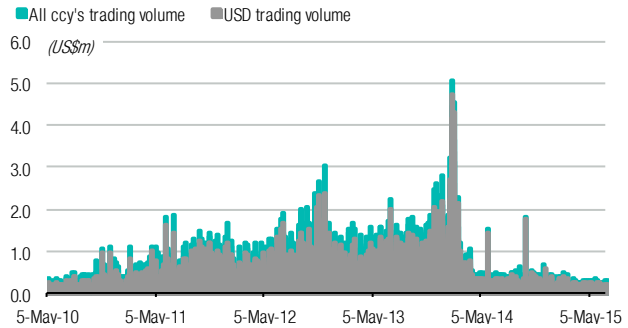


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

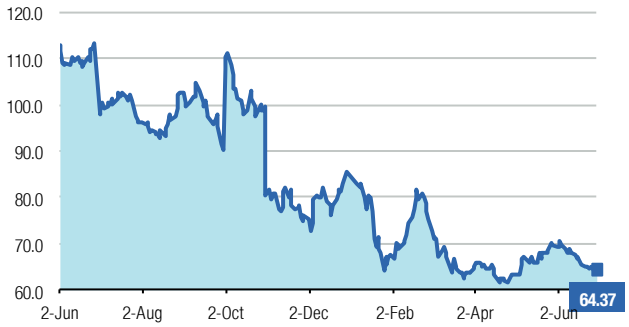


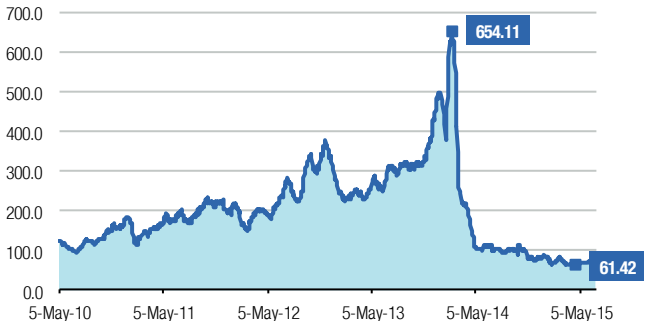
Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.



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)



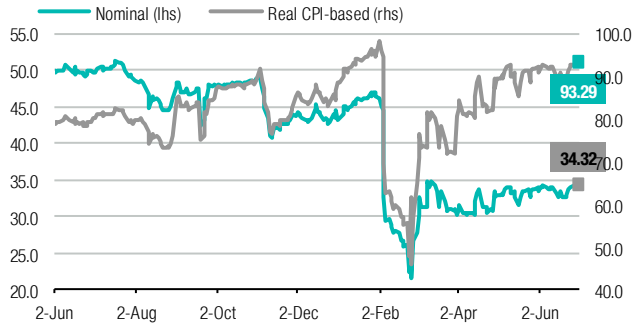


Note: * 30-day moving average; The boxes of the right chart show high and low values. Sources: NBU, State Statistics Service of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

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

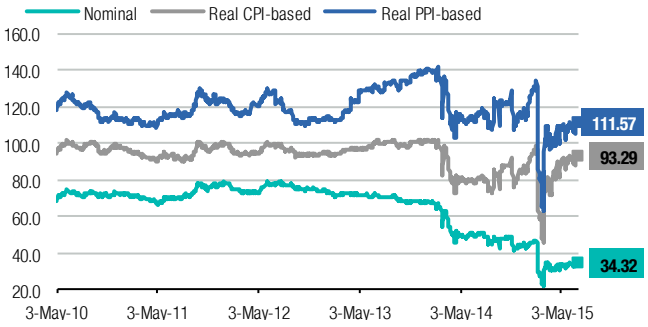
The following charts depict ICU's Ukrainian hryvnia trade-weighted indices which were calculated in accordance with methodology (for more details visit http://www.icu.ua/en/research/currency-indices).

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



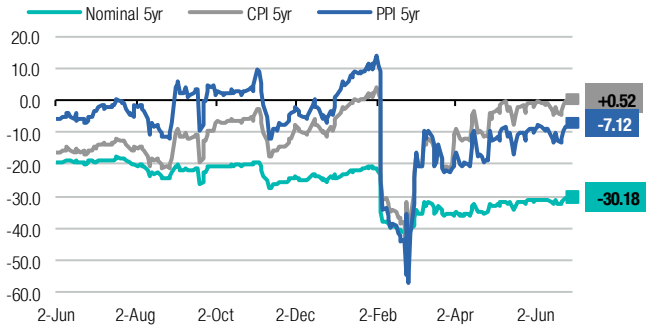
Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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

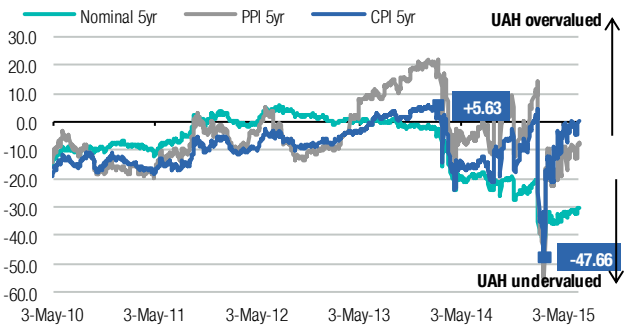


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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)

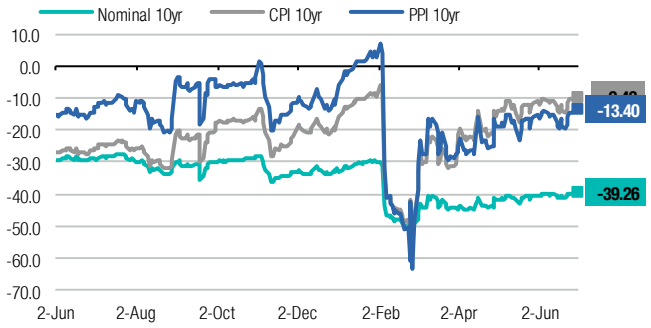


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

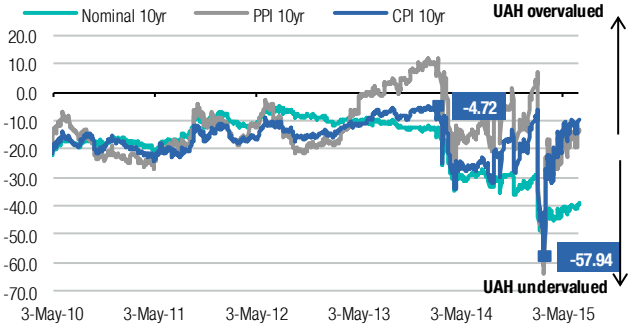


Note: the boxes indicate the high and low values of CPI-based TWI.
Source: Investment Capital Ukraine LLC.

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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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
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