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Euro Cash Users Group,
Frankfurt, on 2 July 2015

Update on the launch of the ES2 €20 banknote

- 1. Security features of the new €20 banknote**
- 2. Adaptation of banknote equipment and tests**
- 3. Issuance policy**

1. Security features of the new €20 banknote

Front

133 mm



Back



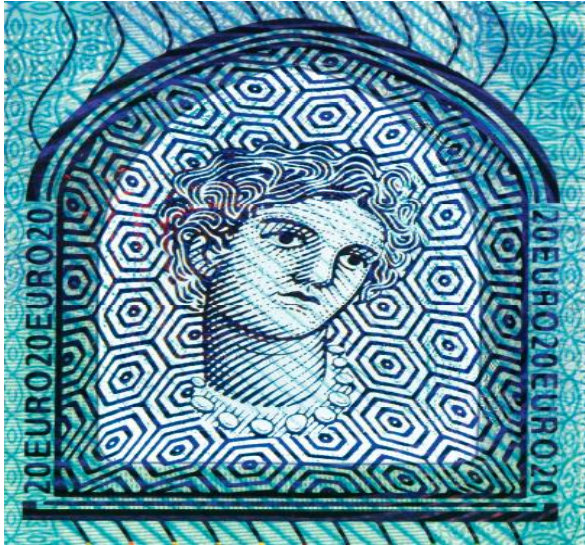
In circulation as of 25 November 2015

[Video: Illuminating the Europa series](#)

1. Security features of the new €20 banknote

Look

Portrait window “Look” - front



Portrait window “Look” - reverse



When you **look** at the banknote against the light, the transparent window near the top of the hologram reveals a portrait of Europa, a figure from Greek mythology, which is visible on both sides of the note

1. Security features of the new €20 banknote

Tilt

Portrait window “Tilt” - front



Portrait window “Tilt” - reverse



When you **tilt** the banknote, the window shows rainbow-coloured lines around the value numeral. On the back of the banknote, rainbow-coloured value numerals appear in the window

1. Security features of the new €20 banknote - Information campaign

For the announcement, and for the launch of every denomination of the Europa series

- ECB website as information hub
www.ecb.europa.eu/euro
www.new-euro-banknotes.eu
- Dedicated publications for the press and retailers
- Production of short films for TV and PR
[ECB YouTube channel](#)



OUR MONEY THE EUROPA SERIES

EASY TO CHECK

- FEEL:** Raised print
- LOOK:** Portrait watermark
- TILT:** Emerald number and Portrait hologram

NEW €20 ONLY

- LOOK:** Portrait window
- TILT:** Portrait window

www.new-euro-banknotes.eu
www.ecb.europa.eu

EUROPEAN CENTRAL BANK
EUROSISTEM

1. Security features of the new €20 banknote - Information campaign

- Train the trainers' material, ECB seminar and numerous train-the-trainee programmes
www.ecb.europa.eu/euro/cashprof/trainingmat
- Partnership programme also to facilitate timely machine adaptation
 - By-end November 2015 22 national seminars on the €20 launch are scheduled, accompanied by 85 bilateral information sessions
 - New Memorandum of Understanding aiming at publicising the work of the partnership programme

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2. Adaptation of banknote equipment and tests



Issues with the acceptance of the new €5 banknote by mainly ticketing and vending devices

– **Main reasons:**

- The use of banknote devices has increased considerably over the last decade
- Some vending machine operators and retailers were not aware or did not consider the need to adapt their banknote equipment
- Late availability of new €5 banknotes for testing, and
- Adaptation sometimes postponed until annual maintenance of the machine

Lessons learnt

- A period of 8-9 months for testing is generally sufficient for BEMs and third parties
- The new measures for the ES2 €10 launch were useful and are also deployed for the ES2 €20
- The adaptation of the software takes more time than thought, while the actual implementation takes generally less time
- There are significant differences in the adaptation across countries
- Ideally, more time should be given before the start of the tests to plan / budget ahead
- Some streamlining of procedures necessary (e.g. for ATMs borrowing up to 3,000 notes)



2. Adaptation of banknote equipment - Measures for the launch of the new €20

AMB RESTRICTED

	ES2 € 10	ES2 € 20
1 st testing round at NCBs (Pilot production)	1.5 year	1.5 year
2 nd testing round at NCBs (LSP – 4 productions)	9 months	11 months*
Duration in-house tests (5 productions #)	8 months	9 months**
• In-the-field tests allowed?	Yes	Yes
• Transport	3 rd party staff	3 rd party staff
• Storage, recording and counting	4 eyes	4 eyes
• Handling > 15 notes ≤ 15 notes (daily storage in company safe) ≤ 4 notes (as of 3 months before launch only weekly storage in company safe)	4 eyes 2 eyes not allowed	4 eyes 2 eyes allowed
• Penalty	€20,000	€20,000
Communication, national seminars, partnership programme, mailing to 3 mio. cash handlers	☑	☑
Monitoring via surveys	☑	☑

Two other productions will be available in Q2 2015

* Information from ECB on start 2 months before actual start

** Information from ECB on start 4 months before actual start

Differences and similarities €5, €10 and €20

	€ 5	€10	€20
Number in circulation	1.7 bn.	2.2 bn.	3.2 bn.
Accepted by vending / ticketing machines	Yes	Yes	Often
Authenticity checked with stand-alone devices	No	Sometimes	Often
Used in ATMs (weighted average share)	11%	26%	37%

Share of denominations in ATMs*

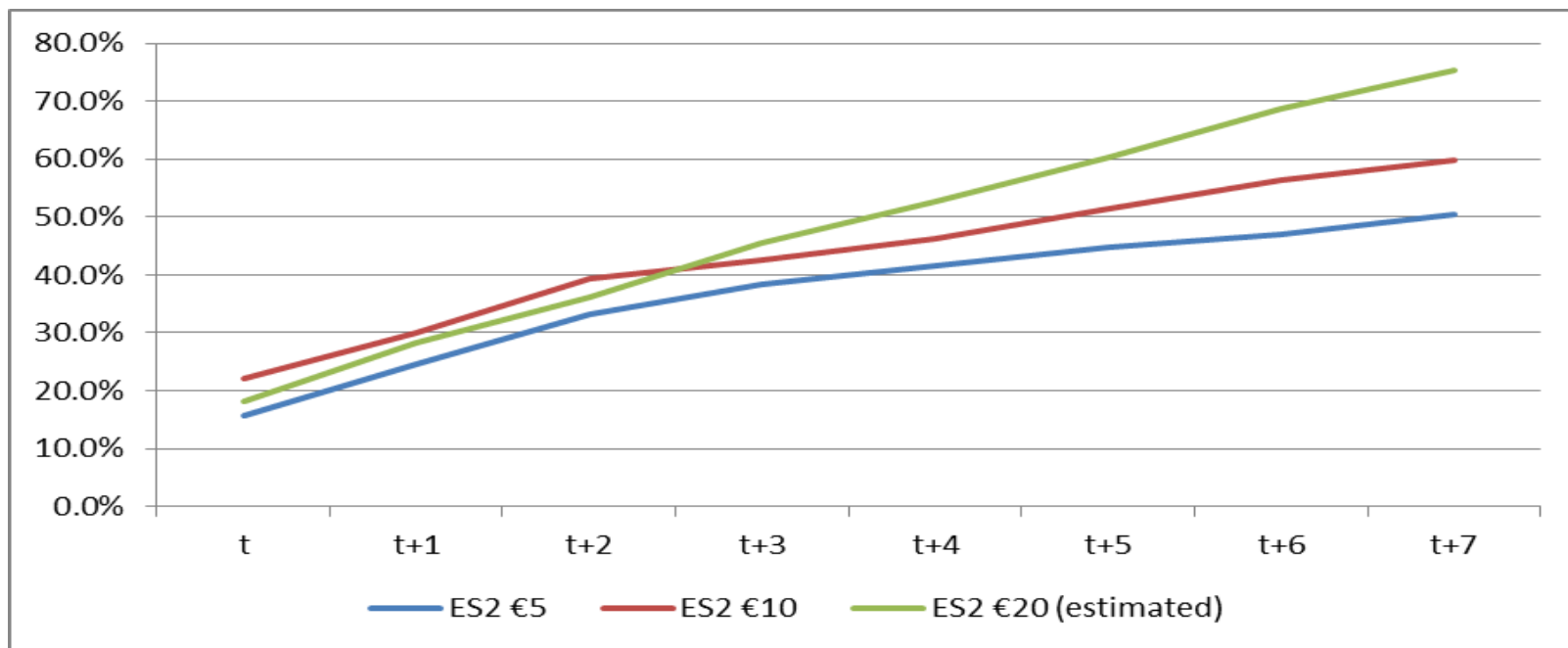
	BE	DE	EE	IE	GR	ES	FR	IT	CY	LV	LU	MT	NL	AT	PT	SI	SK	FI
€5	4%	16%	33%	0%	0%	0%	2%	0%	0%	0%	0%	0%	4%	0%	8%	0%	0%	0%
€10	20%	26%	9%	3%	1%	14%	31%	8%	1%	0%	15%	30%	25%	45%	40%	25%	26%	0%
€20	35%	22%	17%	20%	29%	48%	52%	45%	77%	0%	35%	40%	25%	5%	51%	45%	30%	47%

* Latest available date from 2012 / Highlighted in Red countries with more than 20%-points difference between €10 and €20

Summary

- Good preparations are essential for a smooth launch of a new denomination
- The Eurosystem cannot ensure that all equipment is adapted by the time a new banknote is issued
- This is the duty of the owners of the banknote handling machines, authentication devices and vending machines
- However... **it is the duty of the Eurosystem to initiate and support the process of adaptation as far as possible**

Saturation rate



- ES1 €20 banknotes will keep their legal tender status until further notice (withdrawal will be communicated well in advance)
- Issuance:
 - In the first four weeks after the launch a minimum of 50% ES2 €20
 - Thereafter a minimum of 30% ES2 €20, until stocks of ES1 €20 are depleted.
- Central banks will not require their clients to lodge ES1/ES2 €20 banknotes in separate bundles (exceptions for technical reasons).

- Recirculation of ES1 €20 banknotes by third parties is allowed.
- Some central banks (EE, NL, SI and to some extent BE) will also recirculate ES1 €20 banknotes.

Thank you for your attention

Please visit us at www.ecb.europa.eu/euro

And www.new-euro-banknotes.eu/

ANY QUESTIONS?

