



THE UNITED KINGDOM VEHICLE APPROVAL AUTHORITY

NOTIFICATION CONCERNING ⁽¹⁾

- APPROVAL OF
- WITHDRAWAL OF APPROVAL OF
- RECORDING EQUIPMENT MODEL
- RECORDING EQUIPMENT COMPONENT ⁽²⁾ Tachograph Card
 - A DRIVER'S CARD
 - A WORKSHOP CARD
 - A COMPANY CARD
 - A CONTROLLER'S CARD

WITH REGARD TO COMMISSION REGULATION (EC) No 1360/2002 AS AMENDED BY
COMMISSION REGULATION (EU) No 1266/2009

EC type-approval No: e11*1360/2002*1266/2009*1004*00

Reason(s) for extension: Not applicable

1. Manufacturing brand or trademark:
FPY
2. Name of model:
MultiApp ID Tachograph V1.3
3. Name of manufacturer:
First Print Yard LLC
4. Address of manufacturer:
4 Build 3, proezd No. 4806, Zelenograd,
Moscow, 124460
Russian Federation
5. Submitted for approval for:
Tachograph Card
6. Laboratory(ies):
Vehicle Certification Agency
7. Date and number of the test(s):
3 tests between 31 July 2012 to 24 February 2016 ; ESR350149
8. Date of approval: 18 July 2016

ESR350149



- 9. Date of withdrawal of approval:
Not applicable
- 10. Model of recording equipment component(s) with which the component is designed to be used:
Not specified; Any type approved Vehicle Unit compliant with Commission Regulation (EC) 1360/2002

11. Place: BRISTOL

12. Date: 18 JULY 2016

13. Descriptive documents annexed:
Manufacturers information document: FPY Tachograph Information Document, FPY-AETR-1; dated 13/04/2016; Issue:V 1.3

14. Remarks (including the position of seals if applicable): None



D LAWLOR
Head of Technical Standards & Legislation
(Signature)

- (1) Tick the relevant boxes.
- (2) Specify the component dealt with in the notification.



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INFORMATION PACKAGE CONTENTS

INDEX REVISION NUMBER: Not applicable

Total number of sheets: 07 (Seven)

Reasons for Revision: Not applicable

Revision date
&
Office stamp

ESR350149

An executive agency of the Department for Transport
April 2013 Revision 3



FPY Tachograph Information document

Document Releases

DOCUMENT NUMBER: FPY-AETR-1

Release	Date	Author	Modifications
V1.0	20.02.2016	I.Uvarov	Initial revision for ESR350149
V1.1	17.03.2016	I.Uvarov	Some changes affecting illustrations and security graphics description (§8 & §12). Deviations justification added (§13).
V1.2	25.03.2016	I. Uvarov	Minor changes and refinements
V1.3	13.04.2016	I. Uvarov	Driver Card color modification.

Information document in respect of Commission Regulation (EC) No 1360/2002 of 13 June 2002 (as amended by 1266/2009/EC) and Council Regulation (EEC) No 3821/85 on recording equipment in road transport for a Tachograph card compliant with functional requirements of Annex I B.

1. **VCA Job number**
ESR350149
2. **Manufacturing brand or trademark**
First Print Yard LLC
3. **Name of chip model**
MultiApp ID Tachograph V1.3
4. **Name of manufacturer**
First Print Yard LLC
5. **Address of manufacturer**
4 Build 3, proezd No. 4806, Zelenograd, Moscow, 124460, Russian Federation
- 5.1.1 **Chip module production**
 1. Gemalto, Avenue du Pic de Bertagne, BP100, 13881 Gémenos Cedex, France
 2. Gemalto Pte Ltd 12 Ayer Rajah Crescent, Singapore 139941, Singapore
- 5.1.2 **Card body manufacturing, chip module embedding and chip pre-personalization**
First Print Yard LLC, 4 Build 3, proezd No. 4806, Zelenograd, Moscow, 124460, Russian Federation
- 5.1.3 **Card personalization**

First Print Yard LLC, 4 Build 3, proezd No. 4806, Zelenograd, Moscow, 124460, Russian Federation

6. Models of recording equipment component(s) with which the component is designed to be used.

Any Vehicle Unit compliant with COMMISSION REGULATION (EC) No 1360/2002 Annex1B and type approved at EU.

7. Specification of the Smart Tachograph Card body

7.1. Size

Dimensions according to ISO 7810

Card thickness - 820 \pm 20 micron (after lamination)

7.2. Material used

Polycarbonate (PC) – Bayer Microfol

Inks – Apollo offset UV-curable for lamination process

Adhesive film – Cardel Hi-Bond 70-1

7.3. Card body structure and layer description

FACE

1. 100 micron transparent laser engravable PC overlay
2. 200 micron white preprinted PC
3. 250 micron white PC core
4. 200 micron white preprinted PC
5. 100 micron transparent laser engravable PC overlay

BACK

8. The security features

8.1 Front

- Two irregularly superimposed guilloche backgrounds (two-color microprint), one of which with rainbow printing
- Positive microtext not higher than 200 micron
- Set of positive guilloche boarder patterns
- type of the card (driver/workshop/company/control) in the other official languages of the Community, printed to form the background of the card.

8.2 Back

- One irregularly guilloche background
- Positive microtext not higher than 200 micron

8. Specification of the integrated circuit.

Gemalto Sealys MultiApp ID Tachograph v1.3 fulfils 'Annex 1B' (EU Regulation No. 1360/02) specifications. This is a new product based on the state of the art NXP P5 microchip family.

The main features of the product are described below.

Microchip platform	P5CC081 from NXP
Communication protocol	<ul style="list-style-type: none"> ▪ T=0 & T=1 supported ▪ JavaCard 2.2 ▪ Global Platform 2.1.1
Standards supported	<ul style="list-style-type: none"> • ISO/IEC 7816 parts 1-2-3-4-8 • ISO/IEC 10373 • ISO/IEC 7810 • JavaCard 2.2 • Global Platform 2.1.1 • Tachograph Europeans Specifications 'Annex 1B' – Commission Regulation (EC) N°1360/2002
Certification and Protection Profiles	<ul style="list-style-type: none"> • Chip: Common Criteria EAL5+ http://www.commoncriteriaportal.org/files/epfiles/0555a_pdf.pdf ▪ Chip and OS: Common Criteria EAL4+ certified based on protection profile defined by the European Joint Interpretation Library working group – JIL Security Evaluation and Certification of Digital Tachographs version 1.12, June 2003 http://www.ssi.gouv.fr/entreprise/certification_cc/multiapp-id-tachograph-v1-3-sur-composant-p5cc081-version-mph117filter2-2/ <p>Maintenance of the certificate https://www.commoncriteriaportal.org/files/epfiles/A NSSI-CC-2012_28_M01.pdf </p>



9. Specification of the personalisation

Personalisation process includes both graphical and electrical personalisation. Graphical personalisation is done by laser engraving. Both types of personalisation are done in one pass of a card through the machine. Personalisation is compliant with the Annex IB requirements.

10. Identification of the product

The product is identifiable visually by the type approval number “e11-1004” printed on the back side of the card.

Electrically the product is identifiable by checking the content of the Gemalto Trace File, by sending the following commands to the card:

1. SELECT Gemalto trace file: 00 A4 02 0C 02 F0 03
2. READ BINARY: 00 B0 00 00 30

The returned data shall be as follows:

Length	Description	Value
2	IC Manufacturer (NXP)	'47 90'
2	IC type (P5cc081)	'50 81'
2	OS Provider Identifier	'12 91'
2	OS Release Date	'11 02'
2	OS Release level (V2.1)	'02 01'
2	IC Fabrication Date	XXXX
4	IC Serial Number	XXXXXXXX
2	IC Batch Identifier	XXXX
2	IC Module Fabricator	XXXX
2	IC Module Packaging Date	XXXX
2	ICC Manufacturer	XXXX
2	IC Embedding Date	XXXX
1	OS filter version 2.2	'22'
1	Tachograph Application Identifier	'A3'
1	Tachograph Version (1.3)	'13'
6	Reserved for Gemalto	'YY..YY'
13	RFU	'0000..0000'

Notes:

1. XXXX means that value can be different for each chip and have to be ignored during identification.
2. YY...YY means Gemalto proprietary value and have to be ignored during identification.

11. Instructions for Use of the Card

Not applicable

12. Images of the cards

12.1. Driver card*



12.2. Company card*



*The type approval lettering "E11-1004" is applied by laser engraving on the back side of card along with the graphic personalization.

12.3. Control card*



12.4. Workshop card*



*The type approval lettering "E11-1004" is applied by laser engraving on the back side of card along with the graphic personalization.

13. Deviations

Some deviations related to card design, such as:

- additional lettering in Russian language
- absence of the EU flag

are justified by necessity to comply with:

- the United Nations regulation document published at: <http://www.unece.org/fileadmin/DAM/trans/doc/2008/sc1/ECE-TRANS-SC1-2006-02a1e.pdf>
See Article IV."CONSTRUCTION AND FUNCTIONAL REQUIREMENTS FOR TACHOGRAPH CARDS", "Visible data" p.38-41
- the Order No 180 of Russian Transport Ministry (Registered in the RF Ministry of Justice 02.02.2010 N 16210) that describes the requirements for design of Russian AETR-cards. See Appendix №1 " Card samples, visible data" (There is in Russian only).

END OF THE DOCUMENT