

# Use of AOL data for printing driver qualification cards

February 2015

*IRU Academy*

## Why print Driver Qualification Cards using AOL Data?

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It is acknowledged that Driver Qualification cards are in the format generally accepted as the proof of drivers having successfully undertaken training and examination

They are more practical than paper based certificates

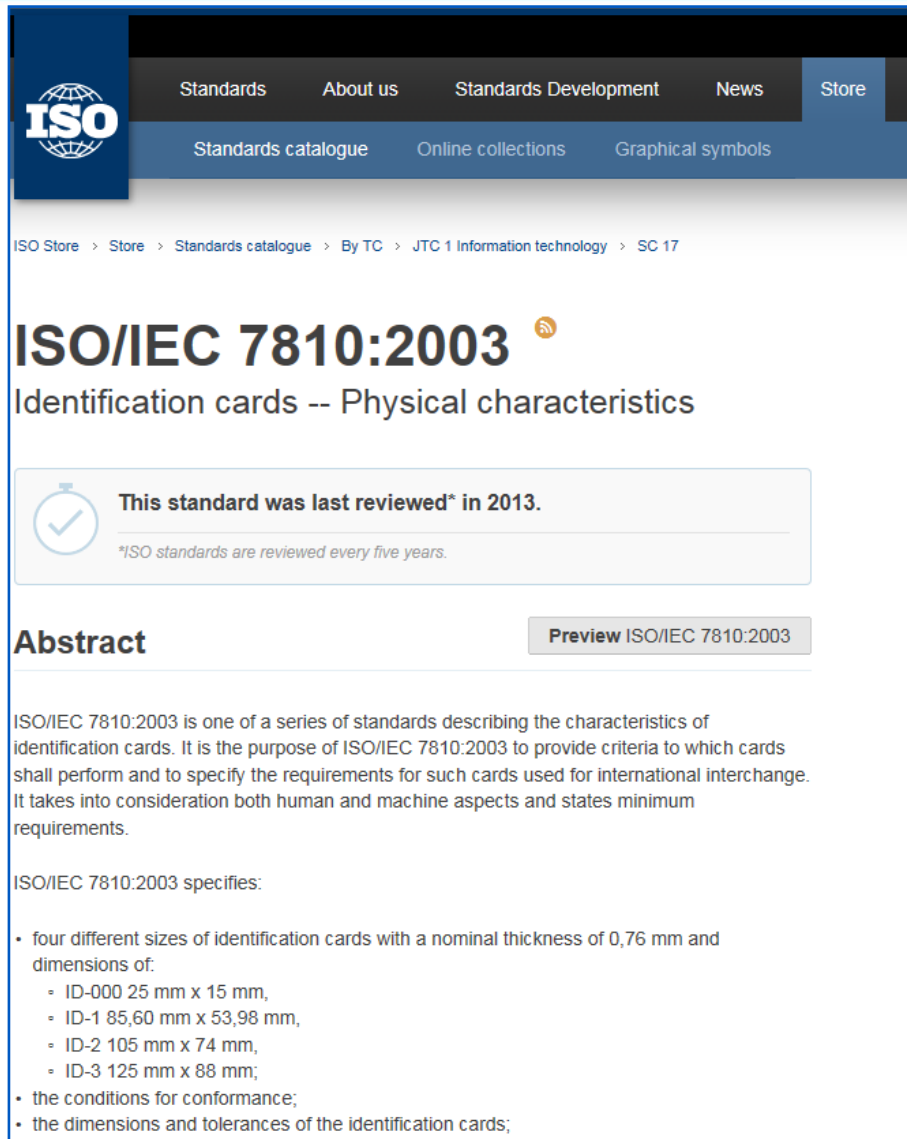
AOL student data can easily be exported and integrated on the driver qualification card

Only minimum additional input is necessary to print the qualification card

Thanks to the QR Code, any card can be controlled on-line with any portable device, thus minimising possible circulation of fraudulent cards

## ISO/IEC standard 7810

## Characteristics of ID cards



The screenshot shows the ISO/IEC 7810:2003 standard page. The top navigation bar includes links for Standards, About us, Standards Development, News, and Store. Below this is a secondary navigation bar with Standards catalogue, Online collections, and Graphical symbols. The breadcrumb trail reads: ISO Store > Store > Standards catalogue > By TC > JTC 1 Information technology > SC 17. The main title is **ISO/IEC 7810:2003** with a small orange icon. Below the title is the subtitle "Identification cards -- Physical characteristics". A box with a clock icon states: "This standard was last reviewed\* in 2013." with a footnote: "\*ISO standards are reviewed every five years." Below this is the "Abstract" section, which includes a "Preview ISO/IEC 7810:2003" button. The abstract text states: "ISO/IEC 7810:2003 is one of a series of standards describing the characteristics of identification cards. It is the purpose of ISO/IEC 7810:2003 to provide criteria to which cards shall perform and to specify the requirements for such cards used for international interchange. It takes into consideration both human and machine aspects and states minimum requirements." Below the abstract, it says "ISO/IEC 7810:2003 specifies:" followed by a bulleted list: "four different sizes of identification cards with a nominal thickness of 0,76 mm and dimensions of: ID-000 25 mm x 15 mm, ID-1 85,60 mm x 53,98 mm, ID-2 105 mm x 74 mm, ID-3 125 mm x 88 mm; the conditions for conformance; the dimensions and tolerances of the identification cards;".

ISO Store > Store > Standards catalogue > By TC > JTC 1 Information technology > SC 17

### ISO/IEC 7810:2003

Identification cards -- Physical characteristics

This standard was last reviewed\* in 2013.

\*ISO standards are reviewed every five years.

#### Abstract

[Preview ISO/IEC 7810:2003](#)

ISO/IEC 7810:2003 is one of a series of standards describing the characteristics of identification cards. It is the purpose of ISO/IEC 7810:2003 to provide criteria to which cards shall perform and to specify the requirements for such cards used for international interchange. It takes into consideration both human and machine aspects and states minimum requirements.

ISO/IEC 7810:2003 specifies:

- four different sizes of identification cards with a nominal thickness of 0,76 mm and dimensions of:
  - ID-000 25 mm x 15 mm,
  - ID-1 85,60 mm x 53,98 mm,
  - ID-2 105 mm x 74 mm,
  - ID-3 125 mm x 88 mm;
- the conditions for conformance;
- the dimensions and tolerances of the identification cards;

## ISO/IEC standard 7816-1

## Integrated Circuit Cards / **Optional**

The screenshot shows the ISO Store website interface. At the top, there is a navigation bar with links for 'Standards', 'About us', 'Standards Development', 'News', and 'Store'. A search bar labeled 'Search ISO' is also present. Below the navigation bar, there is a sub-navigation bar with links for 'Standards catalogue', 'Online collections', and 'Graphical symbols'. The main content area displays the title 'ISO/IEC 7816-1:2011' with a small orange icon. Below the title, the subtitle reads 'Identification cards -- Integrated circuit cards -- Part 1: Cards with contacts -- Physical characteristics'. There is an 'Abstract' section on the left and a 'Preview ISO/IEC 7816-1:2011' button. On the right, there is a 'FORMAT' and 'LANGUAGE' section. The 'FORMAT' section has two options: 'PDF' (selected with a checkmark) and 'PAPER'. The 'LANGUAGE' section has two dropdown menus, both set to 'English'. The abstract text states: 'ISO/IEC 7816-1:2011 specifies the physical characteristics of integrated circuit cards with contacts. It applies to identification cards of the ID-1 card type, which can include embossing and/or a magnetic stripe and/or tactile identifier mark as specified in ISO/IEC 7811. Test methods are specified in ISO/IEC 10373-1. ISO/IEC 7816-1:2011 applies to cards which have a physical interface with electrical contacts. It does not, however, define the nature, number and position of the integrated circuits in the'.

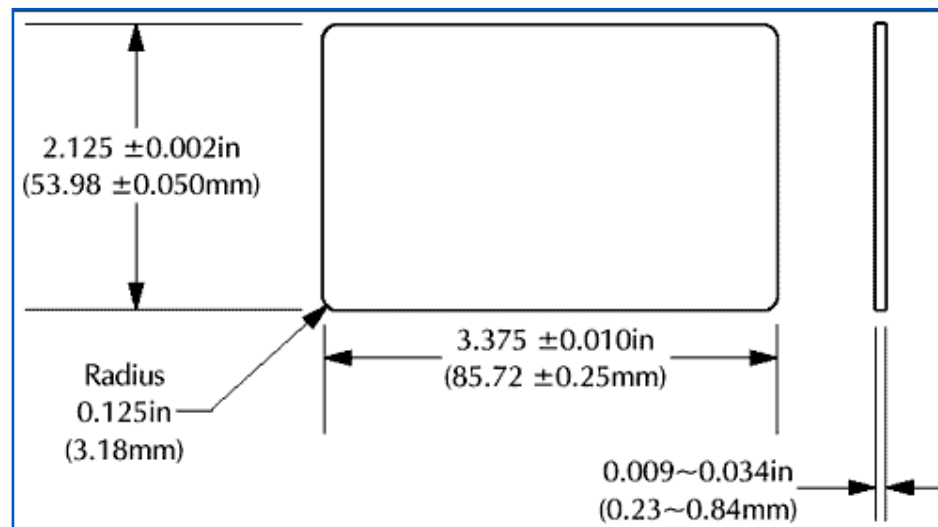
# Driver Qualification Card Requirements

## Example: EU Directive 2003/59/EC Annex II

10.9.2003	EN	Official Journal of the European Union	L 226/15
ANNEX II			
ARRANGEMENTS FOR THE EUROPEAN COMMUNITIES MODEL FOR A DRIVER QUALIFICATION CARD			
1. The physical characteristics of the card must comply with ISO standards 7810 and 7816-1.			
The methods for verifying the physical characteristics of the card to ensure that they are consistent with international standards must comply with ISO standard 10373.			
2. The card has two sides:			
side 1 contains:			
(a) the heading 'driver qualification card' printed in large type in the official language or languages of the Member State issuing the card;			
(b) the name of the Member State issuing the card (optional);			
(c) the distinguishing sign of the Member State issuing the card, printed in negative in a blue rectangle and encircled by 12 yellow stars; the distinguishing signs are as follows:			
B: Belgium			
DK: Denmark			
D: Germany			
GR: Greece			
E: Spain			
F: France			
IRL: Ireland			
I: Italy			
L: Luxembourg			
NL: The Netherlands			
A: Austria			
P: Portugal			
FIN: Finland			
S: Sweden			
UK: United Kingdom;			
(d) information specific to the card, numbered as follows:			
1. surname of the holder;			
2. first name of the holder;			
3. date and place of birth of the holder;			
4. (a) date of issue;			
(b) date of expiry;			
(c) the name of the issuing authority (may be printed on side 2);			
(d) a different number from the driving licence number for administrative purposes (optional);			
5. (a) driving licence number;			
(b) serial number;			
6. photograph of the holder;			
7. signature of the holder;			
8. normal place of residence, or postal address of the holder (optional);			
9. the (sub)categories of vehicles for which the driver satisfies the initial qualification and periodic training requirements;			

Width 85.72 mm  
Height 53.98 mm  
Thickness 0.23-0.84 mm

Rounded edges  
(radius 3.18 mm)



# Driver Qualification Cards - Examples





# IRU Academy Sample

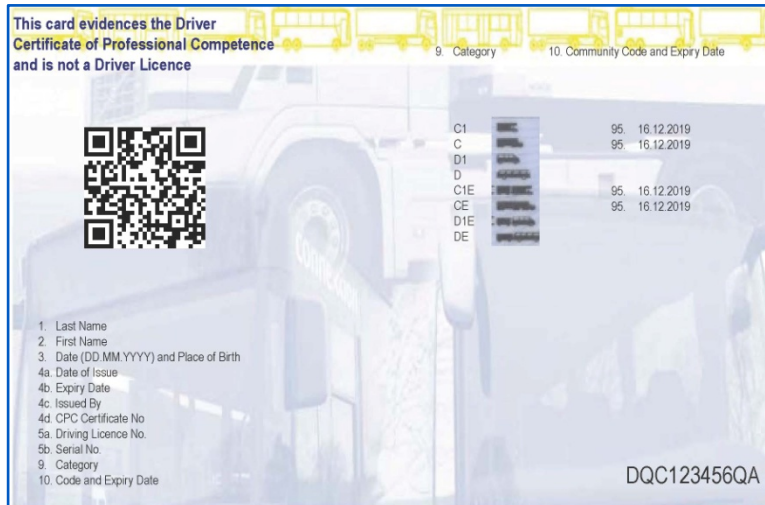
Front side



**IRU Academy DRIVER QUALIFICATION CARD** مدرسة كروو لقيادة السيارات karwa driving school

1. AL-ALIBABA  
2. MUZZAFER  
3. 01.10.1986 DOHA  
4a. 17.12.2014 4b. 16.12.2019  
4c. MoTC 4d. KTTCCOPD84120102  
5a. DL12345678 5b. DQC123456QA  
7. *signature*  
9. CE  
7527889

Back side



This card evidences the Driver Certificate of Professional Competence and is not a Driver Licence

9. Category 10. Community Code and Expiry Date

C1	شاحنة	95	16.12.2019
C	شاحنة	95	16.12.2019
D1	شاحنة		
D	شاحنة		
C1E	شاحنة	95	16.12.2019
CE	شاحنة	95	16.12.2019
D1E	شاحنة		
DE	شاحنة		

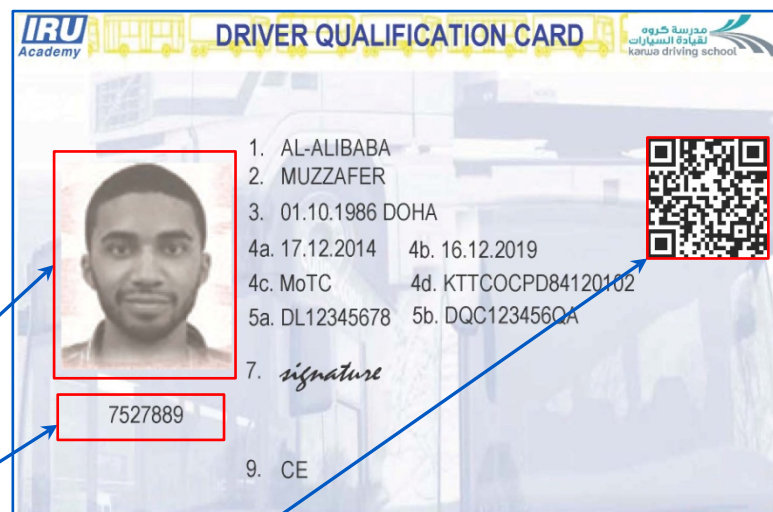
1. Last Name  
2. First Name  
3. Date (DD.MM.YYYY) and Place of Birth  
4a. Date of Issue  
4b. Expiry Date  
4c. Issued By  
4d. CPC Certificate No.  
5a. Driving Licence No.  
5b. Serial No.  
9. Category  
10. Code and Expiry Date

DQC123456QA



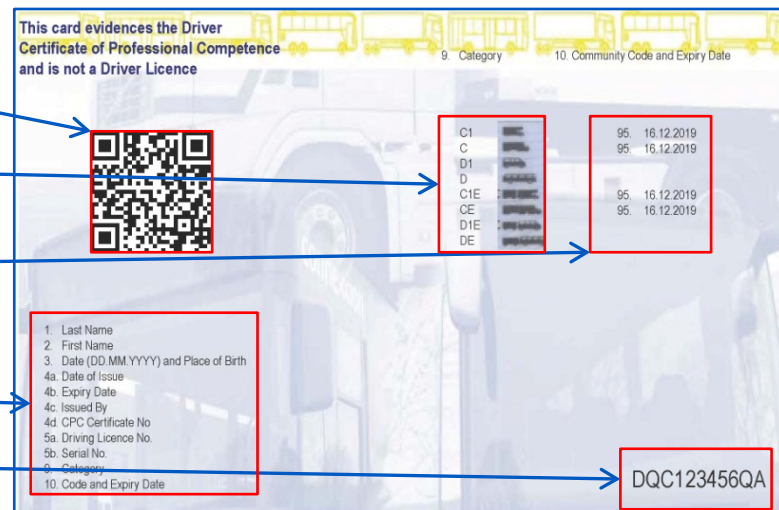
## IRU Academy Sample – Front Side Data

1. Last Name
2. First Name
3. Date and Place of Birth
- 4a. Date of Issue
- 4b. Expiry Date
- 4c. Issuing Body
- 4d. CPC Certificate Number
- 5a. Driving Licence Number
- 5b. Card Serial Number
6. Photo (ID Card Format)
7. Signature
8. Student ID Number
9. Card Category(-ies)
- CPC Certificate QR Code



# IRU Academy Sample – Back Side Data

1. CPC Certificate QR Code
2. Category<sup>(1)</sup>
3. Validity Code and Expiry Date
4. Field Legend
5. Card Serial Number



<sup>(1)</sup> Category as per the UN Convention on Road Traffic

# IRU Academy CPC Driver Certificate

QR Code  
Date of Issue  
Certificate Number  
First Name  
Last Name  
Place of Birth  
Country of Birth  
Date of birth  
Category  
Student ID Number  
Expiry Date  
Official Authority  
ATI



**IRU Academy**  
**CPC CERTIFICATE**

Awarded on 17 December 2014 with Certificate ID KTTCCPD84120102 to

**Muzzafer AL-ALIBABA**  
Born in Doha, Qatar, on 01 October 1986, certifying qualification in the

**Certificate of Professional Competence (CPC)  
for Driver**

**- Initial Qualification for Truck Drivers -**

Possession of this qualification is confirmed by the IRU Academy on its web site under Graduate Viewing Code: 7527889/J1 or /P1.  
**This certificate is valid until 16 December 2015.**

This course is delivered by the IRU Academy Accredited Training Institute KDS in full compliance with the requirements of the UN Consolidated Resolution on Road Traffic (Annexes IV, V 3.4 and VI), international best practices and the strict criteria fixed by the IRU Academy, endorsed by its high level Advisory Committee, regarding instructor qualification, training and examination to provide and ensure the highest professional skills and quality in road transport.

www.iru.org/academy

**Mr Umberto DE PRETTO**  
Secretary General  
International Road Transport Union (IRU)  
Switzerland

**HE Mr Yussef AL-AUTHORITY**  
Minister  
Ministry of Transport and Communications  
Qatar

**Mr Rizvan AL-MANAGER**  
General Manager  
KDS  
Qatar



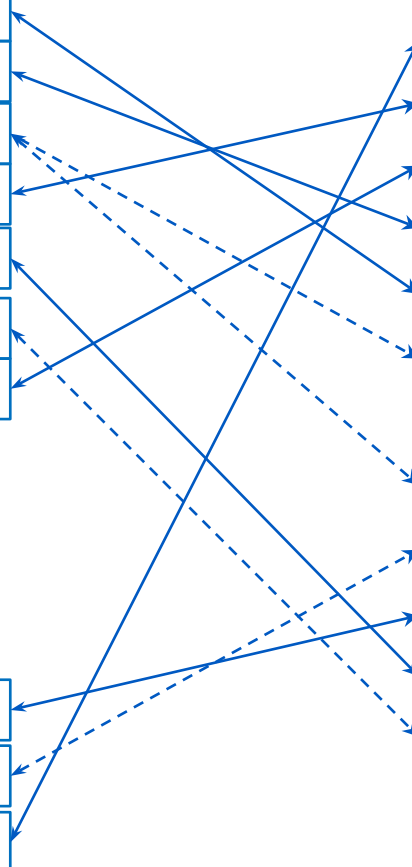
# Driver Card – CPC Driver Certificate Data

## Driver Card Fields

1. Last Name
2. First Name
3. Date and Place of Birth
- 4a. Date of Issue
- 4b. Expiry Date
- 4c. Issuing Body
- 4d. CPC Certificate Number
- 5a. Driving Licence Number
- 5b. Card Serial Number
6. Photo (ID Card Format)
7. Signature
8. Student ID Number
9. Card Category(-ies)
- CPC Certificate QR Code

## Certificate Fields

1. QR Code
2. Date of Issue
3. Certificate Number
4. First Name
5. Last Name
6. Place of Birth
7. Country of Birth
8. Date of birth
9. Category
10. Student ID Number
11. Expiry Date
12. Official Authority
13. ATI



# CPC Driver Certificate – Driver Qualification Card





## CPC CERTIFICATE



Awarded on 17 December 2014 with Certificate ID KTTCCOPD84120102 to

### Muzzafer AL-ALIBABA

Born in Doha, Qatar, on 01 October 1986, certifying qualification in the

### Certificate of Professional Competence (CPC) for Driver

**- Initial Qualification for Truck Drivers -**

Possession of this qualification is confirmed by the IRU Academy on its web site under Graduate Viewing Code: 7527889/J1 or /P1.  
**This certificate is valid until 16 December 2015.**

This course is delivered by the IRU Academy Accredited Training Institute KDS in full compliance with the requirements of the UN Consolidated Resolution on Road Traffic (Annexes IV, V 3.4 and VI), international best practices and the strict criteria fixed by the IRU Academy, endorsed by its high level Advisory Committee, regarding instructor qualification, training and examination to provide and ensure the highest professional skills and quality in road transport.


www.iru.org/academy

Union (IRU)


**HE Mr Yussef AL-AUTHORITY**  
Minister  
Ministry of Transport and Communications  
Qatar


**Mr Rizvan AL-MANAGER**  
General Manager  
KDS  
Qatar






### DRIVER QUALIFICATION CARD





1. AL-ALIBABA
2. MUZZAFER
3. 01.10.1986 DOHA
- 4a. 17.12.2014      4b. 16.12.2019
- 4c. MoTC            4d. KTTCCOPD84120102
- 5a. DL12345678    5b. DQC123456QA
7. *signature*
9. CE



7527889

Data Missing for Driver Card:

- 5a. Driving Licence Number
- 5b. Card Serial Number
- 6. Photo (ID Card Format)
- 7. Signature



# How to use AOL for printing of Driver Cards?

1. Create a new class in AOL

The screenshot displays the IRU Academy On Line (AOL) interface. At the top, the IRU Academy logo is visible on the left, and navigation links for 'Students In Class', 'Back', 'Contact IRU Academy', and 'ATI Home Page' are on the right. Below these, a banner for 'TTR - QUALIFICATION TRUCKS' is shown. The main form area contains the following fields:

<b>Product Name:</b> 89. Qualification for Truck Drivers Cat. C, C+E, C1, C1+E		
<b>Class Name:</b> Qualification Trucks	<b>Location:</b> yfxsx	<b>ATI BOOKING CONTACT</b>
<b>Class ID:</b> TTRCOPD8957	<b>yxcyx</b>	<b>Name:</b> yxc
<b>Language:</b> Asturian; Bable	<b>Instructor Name:</b> Alpar Ozel	<b>Phone:</b> yxc
<b>Start Date:</b> 15-Feb-2012 00:00	<b>IRU Fee (CHF) Per Graduates:</b> 0.44692	<b>Fax:</b> xc
<b>End Date:</b> 15-Feb-2012 00:00	<b>Published On IRU Academy Web Site:</b> <input type="checkbox"/>	<b>Email:</b> iru@org.com
<b>Days In Total:</b> 1	<b>Description:</b> The training is in full compliance with the Periodic Training requirements of	<b>Web Site:</b> yxc
<b>Seats In Total:</b> 5		
<b>Available Seats:</b> 3		

At the bottom of the interface, the text 'Worldwide Excellence in Professional Road Transport Training' is displayed next to the IRU Academy logo.

# How to use AOL for printing Driver Cards?

2. Enrol (import) students in the new class in AOL

**IRU Academy On Line (AOL)**

Back Contact IRU Academy ATI Home Page

**NPU TEST**

Examination Date for Selected Students : Diploma Validity Duration (in months) : Update

Title	Family Name	First Name	Student ID	Driver Card ID	Diploma ID	Result (%)	Pass	Distinction	Examination Date	Certificate, Diploma Letter Printed	Select
Mrs	AGACHI	OLGA	987422	n/a							
Mr	BECKERS	MARC, G. L.	955458	n/a							
Mr	BHATTACHARYA	AEED	517210	n/a							
Mr	Biggs	Mcdriver	714265	n/a							
Mrs	Bigmum	Madame	378607	n/a							

Select All Add New Student Import Students Update Print Certificates/Diplomas Print Letters Print Student List Export Graduates

**IRU Academy**  
Worldwide Excellence in Professional Road Transport Training



# How to use AOL for printing of Driver Cards?

3. Close the class in AOL (enter students' results, examination date and certificate validity)
4. Produce CPC Driver certificates in AOL



**IRU Academy On Line (AOL)**

Back Contact IRU Academy ATI Home Page

**QUALIFICATION TRUCKS**

Examination Date for Selected Students :  Diploma Validity Duration (in months) :  [Update](#)

Title	Family Name	First Name	Student ID	Driver Card ID	Diploma ID	Result (%)	Pass	Distinction	Examination Date	Certificate, Diploma Letter Printed	Select
Mr	Begov	Erkin	708358	n/a	TTTCOCPCD8957100	70	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15-Feb-2012	15-Feb-2012	<input type="checkbox"/>
Mr	Begov	Nurmahmad	784654	n/a	TTTCOCPCD8957101	70	<input checked="" type="checkbox"/>	<input type="checkbox"/>	15-Feb-2012	15-Feb-2012	<input type="checkbox"/>

[Select All](#) [Add New Student](#) [Import Students](#) [Update](#) [Print Certificates/ Diplomas](#) [Print Letters](#) [Print Student List](#) [Export Graduates](#)

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Worldwide Excellence in Professional Road Transport Training

# How to use AOL for printing of Driver Cards?

## 5. Export Graduates, Certificates and Examination Data from AOL



**IRU Academy On Line (AOL)**

Back Contact IRU Academy ATI Home Page

**Choose Graduate Data to Export**

Please select the data which you want to be exported by selecting the related check-boxes below

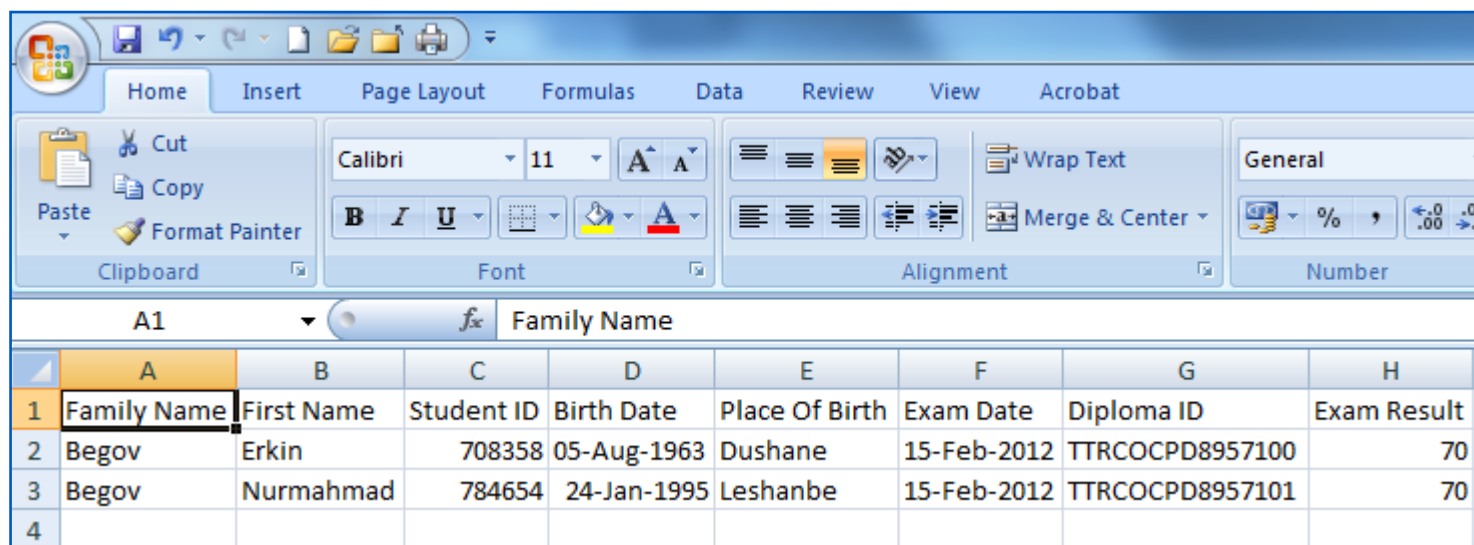
Graduate Personal Data	Graduate Personal Data Local	Graduate Professional Data
Family Name <input checked="" type="checkbox"/>	Family Name Local <input checked="" type="checkbox"/>	Employer Name <input type="checkbox"/>
First Name <input checked="" type="checkbox"/>	First Name Local <input checked="" type="checkbox"/>	Job Title <input type="checkbox"/>
Student ID <input checked="" type="checkbox"/>	Title Local <input type="checkbox"/>	Address 1 <input type="checkbox"/>
Title <input type="checkbox"/>	Place Of Birth Local <input checked="" type="checkbox"/>	Address 2 <input type="checkbox"/>
Gender <input type="checkbox"/>	Country Of Birth Local <input type="checkbox"/>	Address 3 <input type="checkbox"/>
Birth Date <input checked="" type="checkbox"/>	Address 1 Local <input type="checkbox"/>	City <input type="checkbox"/>
Place Of Birth <input checked="" type="checkbox"/>	Address 2 Local <input type="checkbox"/>	State <input type="checkbox"/>
Country Of Birth <input type="checkbox"/>	Address 3 Local <input type="checkbox"/>	Postal Code Prefix <input type="checkbox"/>
Address 1 <input type="checkbox"/>	City Local <input type="checkbox"/>	Postal Code Suffix <input type="checkbox"/>
Address 2 <input type="checkbox"/>	State Local <input type="checkbox"/>	Country <input type="checkbox"/>
Address 3 <input type="checkbox"/>	Postal Code Prefix Local <input type="checkbox"/>	Telephone <input type="checkbox"/>
City <input type="checkbox"/>	Postal Code Suffix Local <input type="checkbox"/>	Mobile <input type="checkbox"/>
State <input type="checkbox"/>	Country Local <input type="checkbox"/>	Fax <input type="checkbox"/>

**IRU Academy**

Worldwide Excellence in Professional Road Transport Training

# How to use AOL for printing of Driver Cards?

## 6. Import Graduates, Certificates and Examination Data<sup>(2)</sup> in the Driver Printing Card Software



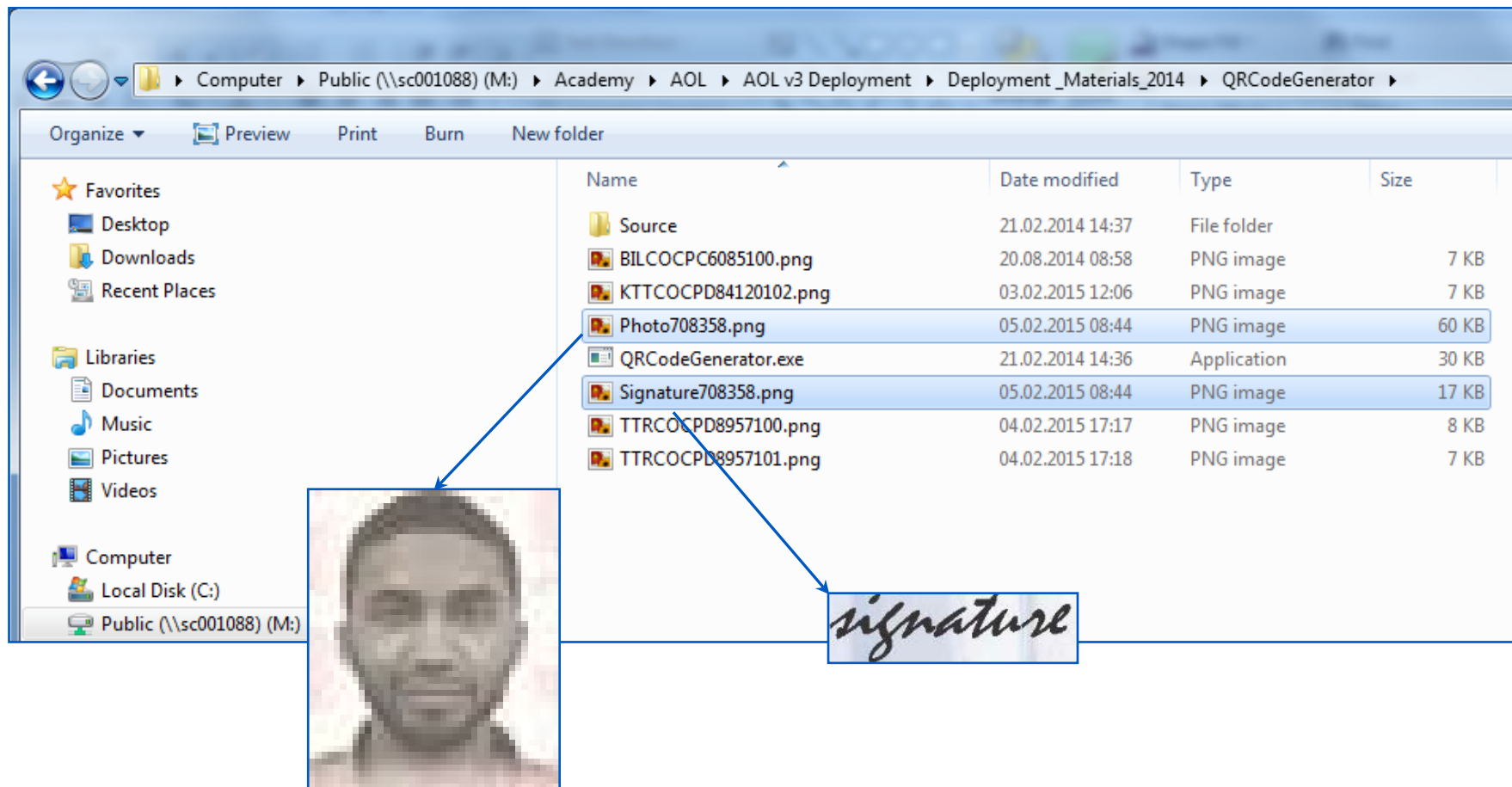
The screenshot shows the Microsoft Excel 2010 ribbon with the 'Home' tab selected. The ribbon includes groups for Clipboard, Font, Paragraph, Alignment, and Number. The data table is visible below the ribbon, with columns A through H. The first row (row 1) contains headers: Family Name, First Name, Student ID, Birth Date, Place Of Birth, Exam Date, Diploma ID, and Exam Result. The second row (row 2) contains data for a graduate named Begov Erkin, born 05-Aug-1963, from Dushane, with an exam date of 15-Feb-2012 and a result of 70. The third row (row 3) contains data for a graduate named Begov Nurmahmad, born 24-Jan-1995, from Leshanbe, with an exam date of 15-Feb-2012 and a result of 70. The fourth row (row 4) is empty.

	A	B	C	D	E	F	G	H
1	Family Name	First Name	Student ID	Birth Date	Place Of Birth	Exam Date	Diploma ID	Exam Result
2	Begov	Erkin	708358	05-Aug-1963	Dushane	15-Feb-2012	TTRCOPD8957100	70
3	Begov	Nurmahmad	784654	24-Jan-1995	Leshanbe	15-Feb-2012	TTRCOPD8957101	70
4								

<sup>(2)</sup> In the example, 2 sets of graduates' / certificates' data are to be imported

# How to use AOL for printing of Driver Cards?

## 7. Import Graduates' scanned photos and signatures<sup>(3)</sup> in the Driver Card Software



<sup>(3)</sup> In the example, 2 sets of graduates' photos / signatures data files are to be imported

## How to use AOL for printing Driver Cards?

8. Reproduce QR Codes<sup>(4)</sup>  
for the exported  
certificates from AOL

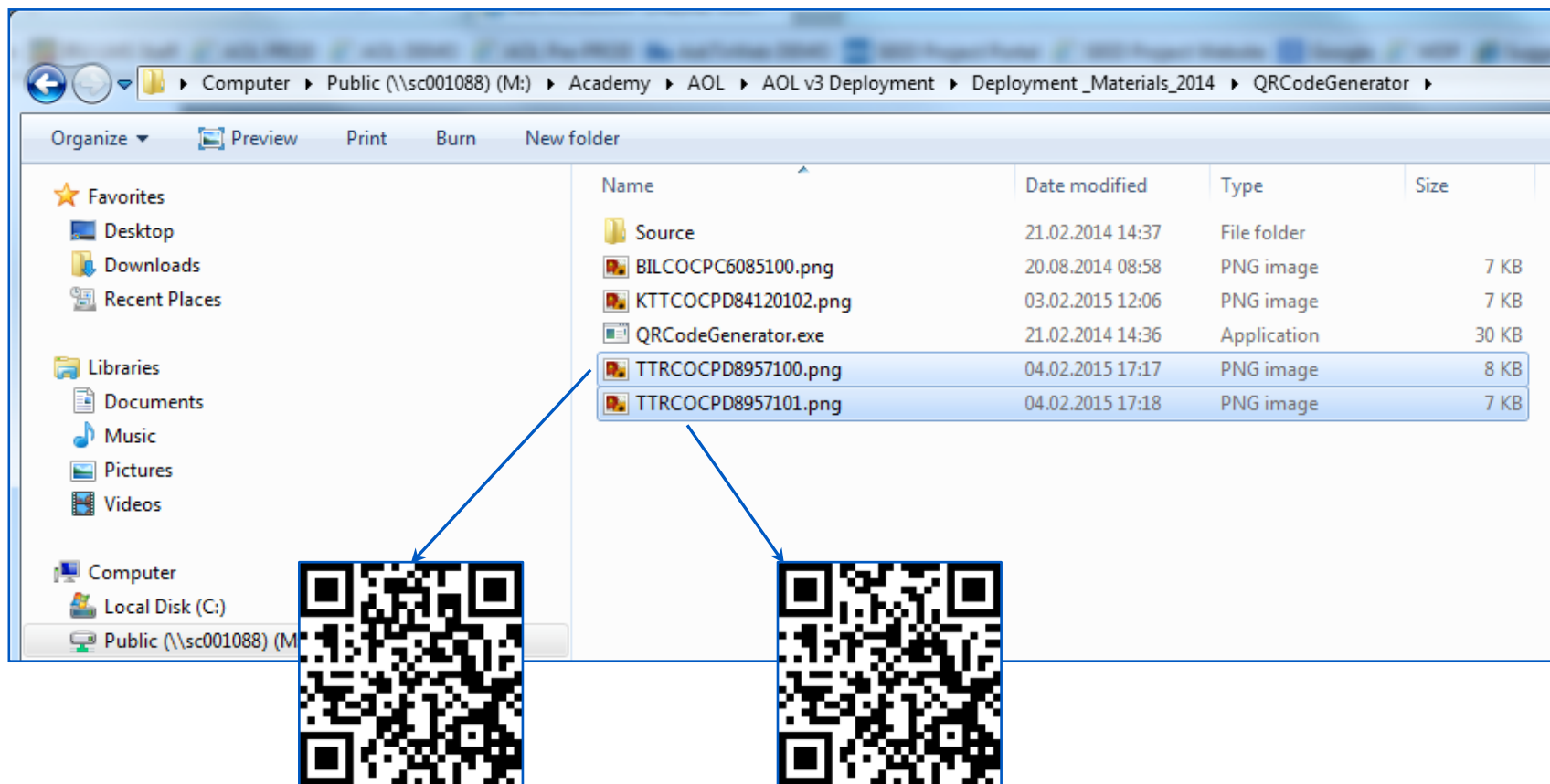


*You can obtain the « AOL QRCode generator » software from the IRU Academy*

<sup>(4)</sup> In the example, 2 QR Code data files are to be reproduced

# How to use AOL for printing Driver Cards?

## 9. Import the reproduced QR Codes<sup>(5)</sup> in the Driver Card Software



<sup>(5)</sup> In the example, 2 QR Code data files are to be imported



# How to use AOL for printing of Driver Cards?

## 10. Print the Driver Qualification Cards using the Driver Card Printing Software

**IRU Academy** **DRIVER QUALIFICATION CARD** مدرسة كرووو لقيادة السيارات karwa driving school




1. AL-ALIBABA  
2. MUZZAFER  
3. 01.10.1986 DOHA  
4a. 17.12.2014 4b. 16.12.2019  
4c. MoTC 4d. KTTCCPCPD84120102  
5a. DL12345678 5b. DQC123456QA  
7. *signature*  
DQC123456QA  
9. CE



This card evidences the Driver Certificate of Professional Competence and is not a Driver Licence

9. Category 10. Community Code and Expiry Date



C1	95. 16.12.2019
C	95. 16.12.2019
D1	
D	
C1E	95. 16.12.2019
CE	95. 16.12.2019
D1E	
DE	

1. Last Name  
2. First Name  
3. Date (DD.MM.YYYY) and Place of Birth  
4a. Date of Issue  
4b. Expiry Date  
4c. Issued By  
4d. CPC Certificate No.  
5a. Driving Licence No.  
5b. Serial No.  
9. Category  
10. Code and Expiry Date

DQC123456QA



Need assistance?

For any questions: [academy@iru.org](mailto:academy@iru.org)

