

ATCO-DB

ATCO Licensing

Database

Implications for ATSEPs

Bogdan BRAGUTA - SRU

SUMMARY

- ✓ **Software and Hardware platforms**
- ✓ **Type of users;**
- ✓ **Database**
- ✓ **Customisation**
- ✓ **How to work with ATCO-DB**
- ✓ **How to print licences using ATCO-DB**
- ✓ **How to create and print other reports with ATCO-DB**
- ✓ **Benefits for ATSEP**

SW & HW Platforms

- **Visual Basic with MS Access Data Base**
- **NO additional SW licence required**
- **Operating Systems: Windows 98 SE, Windows NT SP3, Windows Me, Windows 2000, Windows XP;**
- **HW: IBM compatible PC**
 - Resolution 800x600 or higher
 - 256 colors or more
 - Processor: 250 MHz (the faster the better)
 - Memory: 64 MB (more memory will allow you to handle more ATCOs records)

Type of users

- **System Administrator (SA) <sa>**,
- **Licensing Manager (LM) <manager>**
- **Licensing Assistant (LA) <assist>**.

Customisation

- Passwords;
- Users;
- States or Organisation;
- Logo;
- Ratings;
- Endorsements;
- Type of units;
- Type of Courses;
- Places of Courses;
- Type of Working Position;
- etc.

Customisation - Users

Main

File Edit ATCO Reports Tools Window Help

Edit Attributes

| | | | | | |
|-------------|------------|--------------|------------------------|--------------|------------|
| Countries | Ratings | Endorsements | Course Places | Course Types | Unit Types |
| ATCO Status | ATCO Title | ATS Units | Working Position Types | Users | |

sa

manager

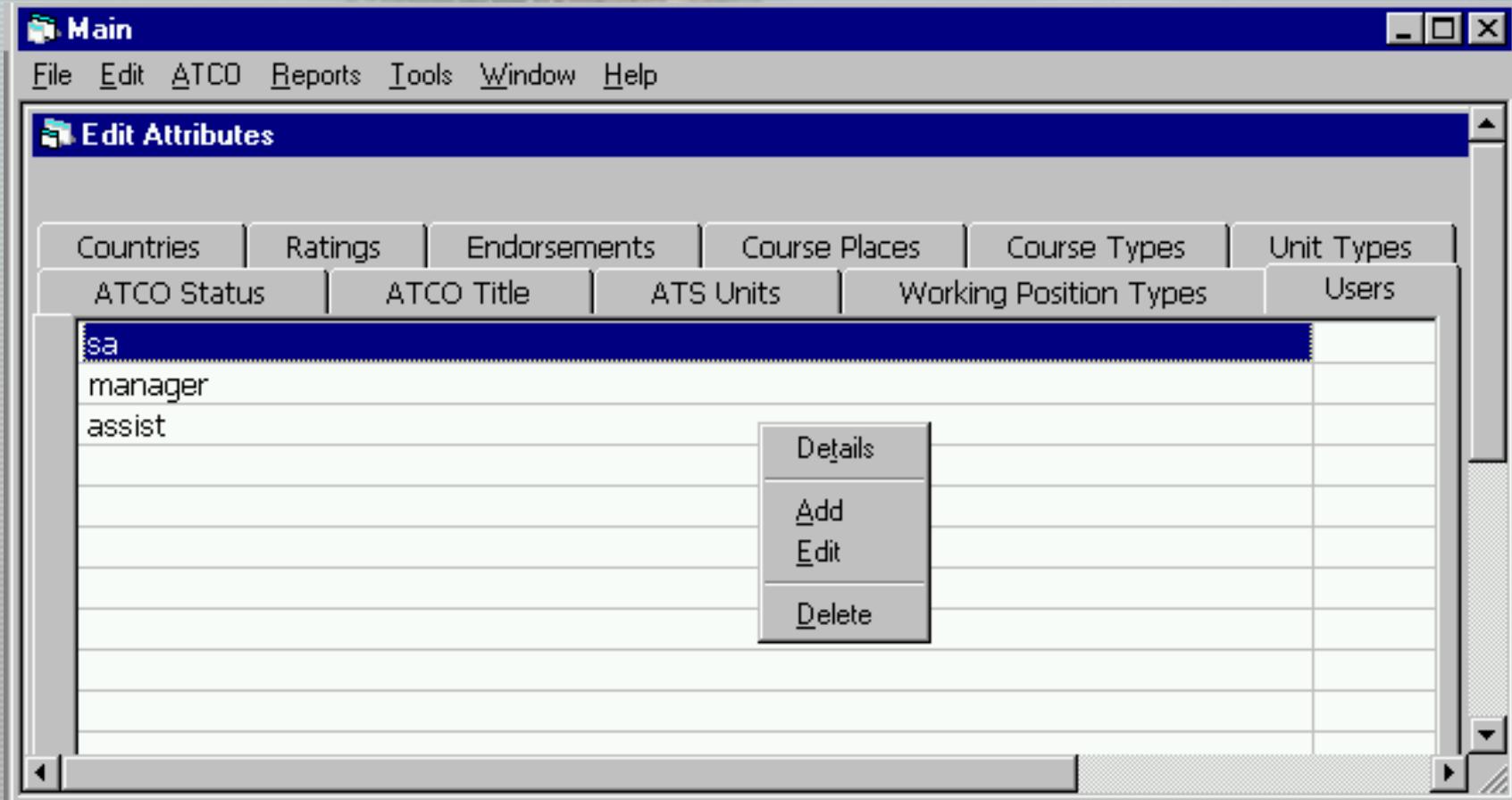
assist

Details

Add

Edit

Delete

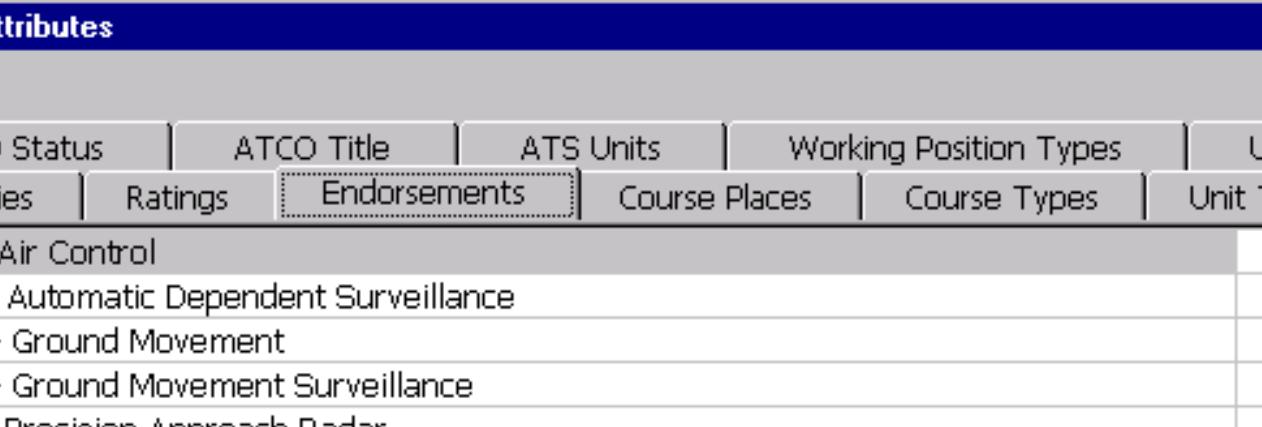


Customisation - Ratings & Endorsements



Customisation - Ratings & Endorsements





The screenshot shows a Windows application window titled 'Edit Attributes'. The menu bar includes 'File', 'Edit', 'ATCO', 'Reports', 'Tools', 'Window', and 'Help'. The main window has a title bar 'Edit Attributes' and a table with the following structure:

| ATCO Status | ATCO Title | ATS Units | Working Position Types | Users | |
|--|------------|--------------|------------------------|--------------|------------|
| Countries | Ratings | Endorsements | Course Places | Course Types | Unit Types |
| AIR - Air Control | | | | | |
| ADS - Automatic Dependent Surveillance | | | | | |
| GMC - Ground Movement | | | | | |
| GMS - Ground Movement Surveillance | | | | | |
| PAR - Precision Approach Radar | | | | | |
| RAD - Radar | | | | | |
| SRA - Surveillance Radar Approach | | | | | |
| TCL - Terminal Control | | | | | |
| TWR - Tower Control | | | | | |
| OJT - On the Job Training Instructor | | | | | |

Add/Edit Personnel Data

Main

File Edit ATCO Reports Tools Window Help

ATCO Details: Roger Moore

Mr Roger Moore
STATUS: ATCO LICENCE NUMBER: 12345 PERSONNEL NUMBER: AB12

Personal Details Courses Ratings Endorsements Units Competency Journal

Edit Personal Details

Private Addresss

Address: 1967 St. Andrew Street
Town/City: Beek
Region/County:
Country: Belgium
Postcode: 6780
Telephone: +++++++
E-Mail: roger.moore@eurocontrol.int

Date of Birth: 17.09.1967 Country of Birth: United Kingdom
Place of Birth: Manchester Nationality: British

Medical Expiry Date: 31.12.2003

“Journal” stored information

How to print Licences

Main - [Report]

File Edit ATCO Reports Tools Window Help

Print Cancel 90% +



State/Authority of Issue

Air Traffic Controller Licence

(Issued in accordance with ICAO, ESARR 5 and ECAC guidelines)

Licence number
12345

Last and first name of holder
Moore Roger

Date and place of birth
17.9.1967 Manchester

Nationality
British

Signature of holder

Signature of issuing officer and date

Seal or stamp of issuing authority

Ratings
The holder is entitled to exercise the functions of the following rating(s) at the air traffic service unit(s) for which current endorsement(s) is/are held as detailed below

| Rating | Date of First Issue |
|--------|---------------------|
| ACS | 1.7.2001 |

DECODE

Rating Abbreviations

| | |
|-------------------------------|-----|
| Aerodrome Control Visual | ADV |
| Aerodrome Control Instrument | ADI |
| Approach Control Procedural | APP |
| Approach Control Surveillance | APS |
| Area Control Procedural | ACP |
| Area Control Surveillance | ACS |

Endorsement Abbreviations

| | |
|----------------------------------|-----|
| Air Control | AIR |
| Automatic Dependent Surveillance | ADS |
| Ground Movement | GMC |
| Ground Movement Surveillance | GMS |
| Precision Approach Radar | PAR |
| Radar | RAD |
| Surveillance Radar Approach | SRA |
| Terminal Control | TCL |
| Tower Control | TWR |
| On the Job Training Instructor | DJT |

- 1 -

- 2 -

- 3 -

- 4 -

CURRENT RATINGS/ENDORSEMENTS

| Unit (ICAO Indicator) | Sector/Position | Rating/ Endorsement(s) | Valid until | Unit (ICAO Indicator) | Sector/Position | Rating/ Endorsement(s) | Valid until |
|-----------------------|-----------------|------------------------|-------------|-----------------------|-----------------|------------------------|-------------|
| LRBB | KOM/EXC | ACS/RAD | 31.12.2003 | | | | |
| LRBB | BAD/EXC | ACS/RAD | 31.12.2003 | | | | |

State Endorsements Decode

Medical Expiry Date
31.12.2003

- 5 -

- 6 -

How to create and print other reports

- **ATCO training reports**
- **Medical Expiry expiry dates reports**
- **Emergency Training expiry dates reports**
- **Competency Checks**

ATCO training reports

- Licence number
- ATCO name
- Description of the course
- Place where the course was held
- Name of the course
- Date when the examination was held
- Examination result

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Is there a benefit for
ATSEPs?

Is there a benefit for ATSEPs?

- ✓ **Needs customisation for ATSEP**
 - ✓ Software and Hardware platforms - the same
 - ✓ Type of users – could be the same
 - ✓ Database content – C, N, S, DP, SMC; additional the type rating
- ✓ **Establish RULES for the development**
 - ✓ To what extend shall be developed
 - ✓ What is the automation process to be included
 - ✓ What is the end goal: print a licence or record keeping

Is there a benefit for ATSEPs? (2)

✓ Record keeping

- ✓ Software and/or paper depending on the rules at national level
- ✓ Personal details can be stored
- ✓ Users can interrogate the DB about certain elements
 - ✓ Training courses for individuals
 - ✓ Assessments/evaluations of individuals
 - ✓ Medical checks
 - ✓ Validity dates
- ✓ Helps to manipulate a lot of information without excluding the paper record keeping

Is there a benefit for ATSEPs? (3)

- ✓ **Printing a licence**
- ✓ **Record keeping is still in place**
- ✓ **Add features**
 - ✓ **A licence layout has to be agreed**
 - ✓ **Information to be provided in the licence has to be agreed**
 - ✓ **This shall rely on the capability of the information recorded - automation**

Conclusions

- ✓ There are benefits for ATSEPs
- ✓ Decisions shall be made to provide
 - ✓ The info to be stored
 - ✓ Automation
 - ✓ Layout for a licence only for the States using such a licence
 - ✓ To continue the development of the software for ATCOs with another module for ATSEPs
- ✓ Is there a requirement to have a database???

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QUESTIONS ?

Implications for ATSEPs

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