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 Database

• NO additional SW licence required


• 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

![Customisation Interface](image)
### Customisation - Ratings & Endorsements

#### Edit Attributes

<table>
<thead>
<tr>
<th>ATCO Status</th>
<th>ATCO Title</th>
<th>ATS Units</th>
<th>Working Position Types</th>
<th>Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>Countries</td>
<td>Ratings</td>
<td>Endorsements</td>
<td>Course Places</td>
<td>Course Types</td>
</tr>
</tbody>
</table>

- **ADV** - Aerodrome Control Visual
- **ADI** - Aerodrome Control Instrument
- **APP** - Approach Control Procedural
- **APS** - Approach Control Surveillance
- **ACP** - Area Control Procedural
- **ACS** - Area Control Surveillance
# Customisation - Ratings & Endorsements

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<thead>
<tr>
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</tr>
<tr>
<td>AIR</td>
<td>Air Control</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ADS</td>
<td>Automatic Dependent Surveillance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GMC</td>
<td>Ground Movement</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GMS</td>
<td>Ground Movement Surveillance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PAR</td>
<td>Precision Approach Radar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RAD</td>
<td>Radar</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SRA</td>
<td>Surveillance Radar Approach</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TCL</td>
<td>Terminal Control</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWR</td>
<td>Tower Control</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OJT</td>
<td>On the Job Training Instructor</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Add/Edit Personnel Data

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

[Edit Personal Details]

Private Address:
- 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
Place of Birth: Manchester
Country of Birth: United Kingdom
Nationality: British

Medical Expiry Date: 31.12.2003
“Journal” stored information

<table>
<thead>
<tr>
<th>Description</th>
<th>Notes</th>
<th>User</th>
<th>Entry Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATCO Created</td>
<td></td>
<td>John Goodfellow</td>
<td>30.11.2002 14:11</td>
</tr>
</tbody>
</table>

Mr Roger Moore
STATUS: ATCO
LICENCE NUMBER: 12345
PERSONNEL NUMBER: AB12
# How to print Licences

## Rating and Date of First Issue
- **Rating:** ACS
- **Date of First Issue:** 17.2001

## 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

## Rating Abbreviations
- **Aerodrome Control Visual (ACV)**
- **Aerodrome Control Instrument (ACI)**
- **Approach Control Procedural (APP)**
- **Approach Control Surveillance (APS)**
- **Area Control Procedural (ACP)**
- **Area Control Surveillance (ACS)**

## Endorsement Abbreviations
- **Air (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 (OJT)**

## Current Ratings/Endorsements

<table>
<thead>
<tr>
<th>Unit (ICAO Indicator)</th>
<th>Sector/Position</th>
<th>Rating/Endorsement(s)</th>
<th>Valid until</th>
</tr>
</thead>
</table>

## State Endorsements Decade

<table>
<thead>
<tr>
<th>Medical Expiry Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.12.2003</td>
</tr>
</tbody>
</table>
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
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
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???
ATCO-DB
ATCO Licensing Database
Implications for ATSEPs

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