
Beyond the RAE:-

Changing Times For Amateur Licences

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UK Licence Structure

- | <u>Class</u> | <u>Callsign</u> | <u>Bands</u> | <u>Power</u> |
|----------------|-----------------|--------------|--------------|
| • Foundation | Mx3ABC | HF-70cms | 10 Watts |
| • Intermediate | 2x0ABC | Almost All | 50 Watts |
| • Full | Mx0ABC | All | 400 Watts |
- Where 'x' is:-
D=I.of Man E=England (Intermediates only)
I=N.Ireland J=Jersey M=Scotland U=Guernsey W=Wales
 - Older Callsigns: Class A=M0/5, G0/2/3/4/5 Class B= M1, G1/6/7/8
 - July 2003: 5WPM Morse Dropped, Class A/B merged
 - Summer 2003 - Foundation and Intermediate Syllabi Revised/Extended
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The End of the RAE

- **Monday 1st Dec-2003 is the last RAE**
 - **City & Guilds have withdrawn, as it was uneconomic.**
 - **RSGB will administer new exam on behalf of RA/OFCOM, based on success of Foundation and Intermediate Schemes**
 - **Widens availability of exam from twice a year to almost on demand**
 - **Sets a major challenge for RSGB & Trainers to replace C&G with minimum delay, but also important to establish credibility, and maintain standards**
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Licence Progression

- **System is now fully sequential - CANNOT SKIP A LEVEL**
 - **All entrants must start at Foundation Level**
 - Exam increased to 25Qs/45mins and Operating Assessments
 - Simple Morse Assessment retained
 - **Must pass Foundation to progress to Intermediate**
 - Exam 45Qs/ 75mins, plus Practical Assessments and Project
 - **New Advance/Full Licence replaces RAE Jan-1 2004**
 - Exam ~60-70Qs/2hrs - Theory only
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Syllabus

- **Original RAE Syllabus revised to avoid duplication with lower licence levels**
 - **Extra items/modernisation implemented**
 - **Examples - More EMC, Synthesisers inc DDS**
 - **Retains high AC and Tx/Rx theory content**
 - **F1B - Direct Frequency Shift Data Modulation**
 - **Retains need to understand measuring station performance**
 - **BR68/Full Stays in force (following Summer revisions due to Morse, mm-Wave bands)**
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Syllabus Scope

- **Syllabus follows established pattern for Foundation and Intermediate**
 - **Licence Conditions**
 - **Technical Aspects inc AC Theory, Semiconductors, PSUs**
 - **Transmitters & Receivers inc Architecture, Oscillators, Synths, Mixers, Modulation/Demodulation, Poweramps**
 - **Feeders & Antennas, inc AMUs, ReturnLoss/SWR**
 - **Propagation inc EM Waves, Ionosphere**
 - **EMC**
 - **Operating Practice & Procedures**
 - **Safety**
 - **Measurements**
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Its not Amateur...

- **RA/RSGB consider the term Amateur to undersell the hobby**
 - **Clubs referred to as Educators rather than Trainers**
 - **Topic referred to as 'Radicommunications Studies'**
 - **Hope that it will be valid as an NVQ and be formally recognised for Technical Education - a path for future growth**
 - **Clubs will need fully registered Trainers and Exam Venues, with significant expertise if teaching material. Likely to have 'Quality Audits' to ensure best practice etc**
 - **CARS had highest attendance at 'Train the Trainers'**
 - **RSGB Website will be revised and Yahoo RSGB Tutors Group created to co-ordinate national effort**
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