

**SECTION 3.05****SYLLABUS OF ASRA RADIO OPERATOR ENDORSEMENT**

Holders of radio operator qualifications issued by CASA, the AUF or the GFA, may apply for the issue of an ASRA Radio Operator Endorsement based on these qualifications. Photocopies of these qualifications must accompany such an application.

The standard to be achieved by applicants for the issue of an ASRA Radio Operator Endorsement for each element of the syllabus is specified by the following codes:

**CODES**

- A**    **Basic** theoretical understanding  
**B**    **Thorough** theoretical understanding  
**C**    **Basic** practical application  
**D**    **Thorough** practical application

**SYLLABUS**

1. Privileges and limitations of the certificate holder:
 

|  |      |
|--|------|
| CAOs and ASRA Operations Manual                  | B    |
| Required use of ACA approved radios              | B    |
| Requirements for use of handheld radio equipment | A, D |
  
2. Communications – General:
 

|   |      |
|---|------|
| Phonetic alphabet and numbers                               | D    |
| Standard phraseology  | D    |
| Gyroplane callsign  | D    |
| Strength and clarity definition                             | A, D |
| Definitions relating to communications (Reference: AIP-GEN) | A    |
| Date and time system, UTC                                   | B, D |
  
3. Documentation:
 

|                                  |      |
|----------------------------------|------|
| AIP                              | A, D |
| ERSA                             | A, D |
| Charts (ERC, VTC, PCA, WAC, VNC) | A, D |
| NOTAM                            | A, D |
  
4. Characteristics of VHF – AM Radio:
 

|                |   |
|----------------|---|
| Line of sight  | B |
| Carrier wave   | A |
| Modulation     | A |
| Use of squelch | D |

- VHF aviation band frequency designation A, C
5. Practical operation of radio equipment:
- Normal operation – on/off, frequency change, squelch A, D  
Faultfinding – on/off, frequency, squelch, volume, fuse/circuit breaker, power supply, aerial type and location, electrical interference A, D
6. Search and Rescue categories:
- SARTIME – use and cancellation of SARTIME B, D  
Flight Note B, D  
SAR action taken by ATS units A
7. Broadcast procedures:
- When required – mandatory, pilot discretion B  
Broadcast procedures – conflict resolution B  
Broadcast procedures – format of broadcasts, taxi, local operations, intention to change level, position, inbound, circuit area, landed etc B, D
8. MBZ and CTAF procedures:
- Use of Aircservices documents to determine the location, dimensions and frequencies B, D  
Mandatory broadcast procedures, taxi, inbound B, D  
ATIS B, D  
AFRU, Unicom B, D
9. Emergency procedures:
- Declaring an emergency – circumstances B  
MAYDAY and PAN calls D  
Priority of calls B  
Action by other stations B  
Loss of communications B, C
10. Unauthorised transmissions:
- Profane or obscene language B  
Deceptive or false nature B  
Improper use of another callsign B  
Use not pertaining to operational requirements B  
Not in the English language B