1.0 PURPOSE

This Order is issued to provide guidance and information to CNS inspectors for evaluating availability and reliability of CNS facilities.

2.0 REFERENCES

2.1 Regulation 34 of the ANS Regulations
2.2 The Authority Advisory Circular No. CAA-AC-CNS 001
2.3 The CNS manual of Standards
2.4 CNS manual of operations (MANSOPS)

3.0 GUIDANCE

3.1 General

3.1.1 The evaluating of availability and reliability of CNS facilities against installation, maintenance and operational requirement is a key activity in assuring the integrity and safety of service.

3.1.2 ANS regulations compel a CNS provider to discharge his duties diligently when undertaking installation, operation and maintenance of facilities.

3.2 Evaluating procedures

The inspectors shall evaluate and assess the availability and reliability by checking the following areas:

a) All facilities are serviceable and within calibration criteria, and satisfy the requirements of the ANS Regulations.
b) Standby power supply with automatic changeover system
c) Serviceability reports of CNS facilities
d) Performance parameters
e) Standby CNS equipment
f) Remote monitoring to provide CNS equipment status to users and maintenance team
g) CNS facilities specified standards are being followed
h) Test equipment and spares
i) The environmental factors such as temperature
j) Transport within the operating CNS facilities environment  
k) Adequate training of maintenance personnel  
l) Necessary tools for equipment maintenance  

3.3 Results  

3.3.1 If the items are found to be acceptable a report should be compiled indicating successful completion of the inspection;  

3.3.2 If an item is found unacceptable:  

a) Compile a report indicating all discrepancies found and recommendations outlining what will be required to correct the deficiencies;  
b) Schedule a follow up evaluation to review and evaluate the corrective action taken.  

3.3.3 All generated paper work should be filed in the appropriate file.  

Civil Aviation Authority