

## **Appendix D – Disaster Recovery Arrangements**

The Disaster Recovery solution in place comprises a dual data centre hot standby Disaster Recovery Service, covering the main data centres in Bath and Keynsham.

Each data centre provides a hot standby support for the other site in the event of a disaster.

Complete replication of critical systems / data is in place and in the event of the loss of a data centre at either site there is automatic failover to the other site via our fibre optic Wide Area Network.

In summary the solution –

- Complies with the requirements of the Civil Contingencies Act 2004 in the provision of effective Disaster Recovery and Business Continuity Planning.
- Automatically provides for effective business continuity for all business critical systems and because the solution is readily scalable provides significant flexibility in terms of the number of systems that can be included in the future.
- Ensures that 46 of the top 61 business critical systems (see attached list) can be recovered within 24 hours from either data centre location. **NB** the difference of 15 represent systems that are PC or Web based, are unknown or have become obsolete.
- Optimises the use of core technologies we have in place such as a high capacity fibre optic network (WAN), high capacity data storage (SAN) and VMware (server virtualisation). These technologies provide us with an efficient reliable and resilient strategic platform for dynamically managing DR & BCP risk in the future
- Provides us with a dynamic and efficient DR and BCP testing capability allowing us to test our DR & BCP capability at a service or system level as required during the year with minimum disruption and risk to the business.
- Gives us a much improved high availability hardware solution
- All critical systems on the critical systems list are guaranteed to be recovered within 24 hours.