



Appendix 2 : Next Generation Network key design principles

Cabinet

15 November 2005

Next Generation Network

- Key Challenges
 - 3 Separate Networks
 - Voice, Data & Schools
 - Department for Education and Skills - Schools Connectivity
 - Enterprise Telephone Solution
 - County Hall Network Upgrade

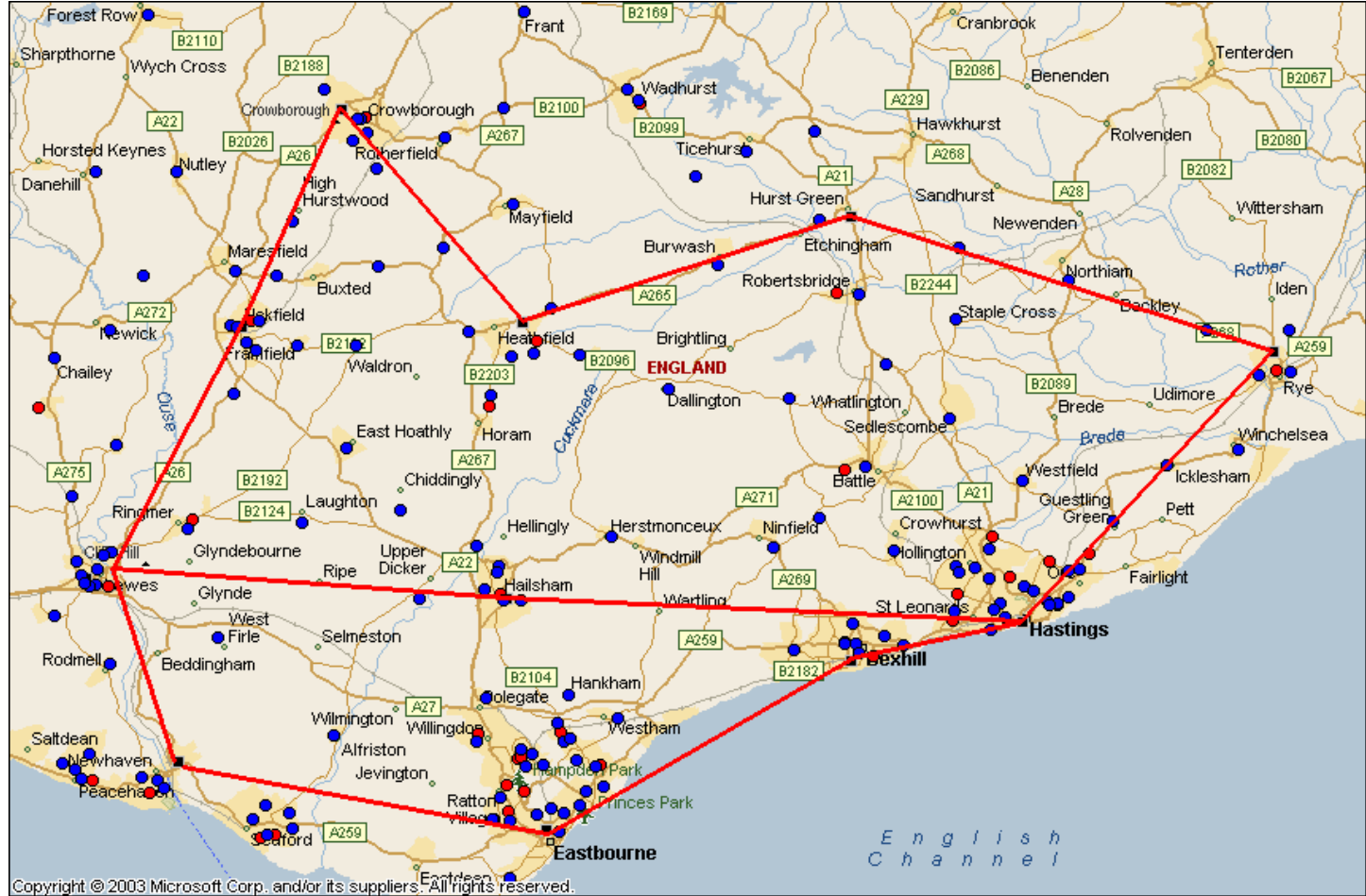
Next Generation Network - WAN

- Schools Requirements
 - 2Mbps Primary Schools (2005)
 - 8Mbps Secondary Schools (2006)
- New Solution
 - Corporate Network
 - Securely Connect All Schools to an upgraded East Sussex Network



Next Generation Network - WAN

Proposed Network



Next Generation Network - WAN

- Benefits
 - Lowest cost compared to alternatives
 - Upgraded network in the Process
 - Public Sector Network for East Sussex
 - Schools now
 - Districts & Boroughs, Partners, Businesses, Others later...
 - Potential Additional Services
 - Corporate Services (e.g. SAP), Telephone System, Security Applications and others...

Telephone Solution

- Existing Challenges
 - Separate networks for Voice & Data
 - Difficult and expensive to maintain
 - Outdated technology with limited functionality
 - Corporate solution at only 5 out of 145 Sites
 - No standard approach
 - Total Costs difficult to manage
 - Impact on Service Delivery & Citizen Contact

Telephone Solution

○ New Solution

- Implement new Corporate Solution
- Develop standards for other sites
- Develop Business Cases for other sites
- Align with Property Review
- Rollout New Solution to all sites

Telephone Solution

- Benefits
 - Cost Reduction
 - Lines, Calls, Maintenance, System Management
 - Standard Approach
 - Single Number, wherever you are
 - Single Focal Point – Outlook Inbox
 - Standardised Functions
 - Mobility
 - Service Improvements
 - Improved interface with Citizens
 - Business can focus on Area of Expertise
 - Productivity Gains
 - Contact Staff Easier and Quicker
 - Reduction in Travel Time

Telephone Solution

- Existing Site Examples
 - 17 Libraries
 - 2 - 18 Users
 - 7.5k Saving PA
 - Return on investment Average 3 Years
 - 20 Social Services Sites
 - 18 - 155 Users
 - Return on investment 2 to 3 Years
- New Site Example
 - Medium Social Services Site
 - 10k Reduction in installation Costs
 - Approx 1k Savings PA Ongoing

County Hall Network

- Issues
 - Existing network installed over 15 years ago
 - Cannot ensure business continuity
 - Spares availability & support issues
- Solution
 - Installation of new cabling and network equipment
 - Property Review considerations:
 - County Hall will be occupied for at least 5 years
 - Unable to provide adequate support for the current network within this time period
 - Investment in network equipment can be re-located
 - Cabling investment would need be written off

Core Network

- Improvements to Management Systems on New Network
- Security & Network Management
- Wireless Strategy
 - Options for Reception Areas, Libraries and Others...
- Internet Services
 - Separated Corporate and Schools Services
 - Shared resilience options