

Appendix 3 – Example Benefits Summary

Feature	Description	Systems Used or Dependencies	Benefits
Revenue cost savings	Use of 'Voice over Internet Protocol' (VOIP) to make all internal phone calls free of charge and share phone and data line costs.	Next Generation Network	Reduced Revenue and call Costs
Access to Information	Commonly used information deployed to new phones as Web Applications such as Staff Directories, Office Information, Financial Information, etc.	Telephone Solution	Increased productivity
Work from Anywhere	Access to Email, Fax, Voice Mail, Intranet and standard Office Applications using Flexible Working Solutions Standardised at all sites	Telephone Solution Flexible Working	Increased productivity Staff can work close to service delivery Better services to citizens
Easy to Contact and be Contacted	Dedicated numbers for individuals – 'goes with you', including on Mobiles Number mobility implemented	Telephone Solution	Increased productivity Better services to citizens
Focus on Key Services	Business areas can focus on their specialised field rather than telephony	Management ICT Resourcing	Increased productivity Reduced costs
Centralised Telephone Management	Strategic approach to telephony across organisation inc. one set of corporate numbers	Infrastructure Standards Telephone Solution	Standard approach across organisation Improved productivity
Service Provider Network	Implementation of security and management on the existing East Sussex Network to create the Next Generation Network	Network Upgrade	Sharing of costs with partners Reduced costs from existing service providers
Schools Connectivity	Provision of Department for Education & Skills Services bandwidth requirements ...and more.	Next Generation Network	Reduced Costs Improved Access to other services
Improved Corporate Internet Access	Provision of separated Internet Services for Corporate Internet Access	Internet Services	Service Improvement
County Hall Network Upgraded	Replacement of existing core network at County Hall	Network Upgrade	Productivity gains Service Improvement Business Continuity

Sample Benefits Case Studies

Examples of case studies most applicable to the proposed East Sussex Next Generation Network:

1. Bedfordshire County Council

Bedfordshire are a similar organisation to East Sussex in terms of size, profile of the county and their plans for network convergence which incorporates schools and partners. They have already implemented additional security on their data Network and connected their schools to the network. Bedfordshire have a similar number of schools to East Sussex. The new voice solution has been implemented for 1,000 users.

2. Suffolk County Council

New voice solution implemented for 2,000 handsets. Flexible working layout has been designed into all new offices.

3. East Sussex Fire & Rescue Service

The plan to move to NGN technology was well already underway when their switch was destroyed by flood water. Use web browsers built into phones to notify station managers of jobs and locations of appliances. Emergency service calls use a different solution.

4. Surrey County Council

Managed Service run by Cable & Wireless for their 5,000 user NGN voice solution.

5. Norfolk County Council

Implementing NGN voice and data solution across the whole of the County, including schools

6. Brighton & Hove

400 handsets using NGN phone solution deployed where sites have been refurbished.

7. Hastings Borough Council

60 NGN type handsets deployed in new building as an initial trial.

8. Isle of Man Government

1,000 NGN phone handsets deployed as part of 5,000 handset rollout using NGN Voice solution.

Appendix 4 - Alternative Options Considered for Schools Connections

1 Existing Solution Provider

- 1.1 RM, the existing provider of Broadband service to schools, has recently presented proposals for providing the increased bandwidth required for secondary schools in 2006 to meet DfES requirements (an increase from 2MB to 8MB).
- 1.2 Within these proposals the bandwidth provided would be scaled to provide only the minimum requirements for Secondary schools, without taking into consideration any headroom for increased bandwidth expected above the existing recommendations post 2006 – for either Primary or Secondary schools.
- 1.3 The proposals put forward are based on continuing to provide Schools connections through a separate network to that being used by the rest of East Sussex County Council and would not make best use of the existing, and proposed, investment made by the authority.
- 1.4 The proposals also only address data network requirements, and would not allow for possible expansion of the proposed NGN Phone technology into Schools, to enable them to benefit in the same way at the rest of the County Council.

2 Next Generation Network

- 2.1 The proposed Next Generation Network addresses the immediate needs of increased bandwidth to all secondary schools and provides scope for significant additional growth for all schools in the future without having to replace the entire solution.
- 2.2 The DfES Departmental Investment Strategy 2005-08 also expects Secondary Schools will have connection speeds of between 34Mbps and 100 Mbps, whilst large Primaries will have 8Mbps connections and small Primaries will have 2Mbps. The Next Generation Network solution is already scoped to deliver this level of bandwidth where required.
- 2.3 These levels of bandwidth that the DfES expects to be delivered can only be realized cost - effectively by building on the existing investment made by the development of the Next Generation Network.
- 2.4 Education specific services on the Next Generation Network would continue to be provided by RM as a managed service under the existing contract. RM is supportive of the approach being proposed and is keen to work with East Sussex to migrate the delivery of their services over the new network.
- 2.5 The Next Generation Network not only caters for immediate and future schools needs, it also provides a scalable and secure network platform on which all public services within the county could connect in the future. This could include future shared use of applications such as the Next Generation Network Voice Solution for Schools, CCTV solutions, Financial Systems and many more potential shared services across other public sector organisations.

Appendix 5 – Draft Project Plan

ID	Task Name	Duration	Start	Finish	2006			2007				2008				
					Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3		
0	ESCC Next Generation Network Project	400 days	Tue 15/11/05	Wed 23/05/07												
1	Cabinet Consideration	0 days	Tue 15/11/05	Tue 15/11/05												
2																
3	GCat Procurement Process	2 mons	Tue 15/11/05	Fri 06/01/06												
4	Equipment Leadtime	2 mons	Mon 09/01/06	Fri 03/03/06												
5																
6	Schools Connectivity	260 days	Mon 06/03/06	Wed 28/02/07												
7	Core Network Upgrade	6 mons	Mon 06/03/06	Thu 17/08/06												
8	Build and Test	6 mons	Mon 06/03/06	Thu 17/08/06												
9	Circuit Delivery for Secondary Schools	6 mons	Fri 26/05/06	Wed 08/11/06												
10	Circuit Delivery for Primary Schools	6 mons	Fri 18/08/06	Wed 31/01/07												
11	All Schools Connected to Next Generation Network	0 days	Wed 28/02/07	Wed 28/02/07												
12																
13	County Hall Data Network	140 days	Mon 09/01/06	Thu 20/07/06												
14	County Hall Cabling	6 mons	Mon 09/01/06	Thu 22/06/06												
15	County Hall Active Equipment	2 mons	Fri 26/05/06	Thu 20/07/06												
16																
17	Telephone System	320 days	Mon 06/03/06	Wed 23/05/07												
18	County Hall	2 mons	Fri 09/06/06	Thu 03/08/06												
19	4 Core Sites Upgrade & Integration with Legacy System	4 mons	Mon 06/03/06	Thu 22/06/06												
20	37 Additional Sites	6 mons	Fri 23/06/06	Wed 06/12/06												
21	Remaining Sites ~100	6 mons	Thu 07/12/06	Wed 23/05/07												

