

Paper Reference(s)

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Edexcel GCE

**Applied Information and
Communications Technology**

Unit 9: Communication and Networks

January 2008

Scenario

Please open this material immediately. It should be distributed to candidates no sooner than three working weeks before the examination.

Note: There are no practice files for this examination.

The description overleaf will be used as the scenario for the above specification, and will be reissued with the examination paper. This scenario should be used for the purposes of preparing candidates for the examination. This material must not be taken into the examination.

Further details are in the Instructions for the Conduct of Examinations, available from the Edexcel website for this qualification and subject.

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Bronco Brian Gunn

Bronco Brian Gunn grew up in the fifties at the height of the Western films' popularity. Brought up on John Wayne films and television programmes like the Lone Ranger, he became fascinated by the Wild West. At the age of ten he joined the Billericay Wild West Club that boasted forty-five members. Bronco Brian's crowning moment was when he won the World Quick-Draw Tournament in 1976 after being National Champion for eight consecutive years.

Inevitably Bronco Brian's working life was going to be connected in some way with the Wild West. Consequently on leaving school he opened the first of his fast-food restaurants in Billericay. The "Bronco Brian's Burger & Beans Bars" chain of restaurants is now country wide and has over 150 outlets.

At the age of 60 Bronco Brian diversified into property development, especially theme parks. He opened his first theme park in Burnham-on-Crouch and has opened four others since. He has plans to open five more.

To cope with the expanded business, a new company was founded known as BBG. Unfortunately Bronco Brian's headquarters, The Chuck Time House, on the Billericay Business Park, was now too small for his expanded business. He has handed over the running of the restaurant chain to his son and daughter (Slim & Calamity) who remain in The Chuck Time House, while Bronco Brian has moved into a similar building, The Ranch House, on the same Business Park but 1 km away. The two buildings both have three floors and will need new networking facilities.

The Chuck Time House

In The Chuck Time House the ground and first floors are open plan. The top floor contains offices for Slim & Calamity and an office shared by their personal assistants. The assistants will both have their own PC but share a printer. Slim & Calamity will have their own laptops which will also connect to the network. There is also a boardroom/conference room which will have a standalone computer and interactive whiteboard for presentation purposes.

The first floor contains the Finance Department which consists of a manager and five assistants who will each have their own PC. There will be one printer for this department. The Marketing Department is also on this floor and consists of a manager and three assistants. They will each have a high specification computer with its own printer. A high quality colour laser printer for promotional work will be shared between them.

Half the ground floor is taken up by a reception and lounge area. The reception desk is always staffed during office opening times. There is one receptionist on duty who will have a PC and printer. The IT technicians area and server room will be housed behind the lounge area.

The Ranch House

On the top floor of The Ranch House is the corporate boardroom, Bronco Brian's office and his secretary's office. Bronco Brian and his secretary will each have a PC and printer.

On the first floor is the Corporate Finance Department and the property managers. The Corporate Finance Department has a manager and three assistants who will each have a PC. There will be one printer for this department. The four property managers will each have their own laptop which will need to connect to the network. There will be one printer for this section.

On the ground floor is a small reception area and an office for a web designer. The receptionist and web designer will each have their own PC and printer. Also on this floor is the Human Resources Department and the Legal Department. In the Human Resources Department there is one manager and two assistants. Each will have their own PC but will share a printer. The manager of the Legal Department prefers to use his own laptop which will need to be connected to the network. His two assistants will each have their own PC. There will be one printer for this department.

Your project

Bronco Brian Gunn's empire has an old mainframe system which was installed back in the 1970s. Now he has moved to a new building he wants a complete review of his computing facilities. You have been brought in as a network consultant to advise and help implement the installation of a new network for The Chuck Time House and The Ranch House.

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