# Activity sheet 3.1: How to use an ad hoc network

*Learning outcome A: Modern technologies*

*A1: Modern technologies*

## A guide for new employees

You work as a digital information technology officer for Sokells Traffic Services. The business designs new roads, traffic junctions and signals to help traffic flow freely. The business employs consultants who are based in London but travel to different parts of the UK to work with clients.

The consultants need to connect to ad hoc networks when they are away from the office.

You need to produce a guide for new employees. To help you to prepare for this task, answer   
the following questions. Where applicable, respond to each question with reference to Sokells Traffic Services.

1. What is an ad hoc network?

1. What are the different types of ad hoc network?

1. Outline examples of places where a consultant from Sokells Traffic Services could connect to an ad hoc network.

1. How could a consultant from Sokells Traffic Services connect to a hotspot using either their portable computer or smartphone?

1. How can an ad hoc network be used to transfer files between the client and the consultant?

1. What are the benefits and drawbacks of Sokells Traffic Services using an ad hoc network?

1. Why might consultants sometimes not be able to send and receive data when connected to an ad hoc network?

Take it further

The consultants have confidential data stored on their personal computers and smartphones.   
This data needs to be kept secure.

Your guide should also include a section advising consultants on how they should use ad hoc networks safely and why this is important. Write three paragraphs outlining what you might include in this part of the guide.