

22. a. Segment 1:

Appropriate transmission medium- Satellite because you need to make sure that your mobile phone and computer can connect to the country telephone exchange and transmit it to the head office building via the other connection points which includes travelling over mountains. This means that the mobile phone connection needs to be suitable for travelling over mountains and that it keeps the information accurate about the wines for each restaurant so that the restaurants can get the necessary information that they were looking inquiring about. You also need to make sure that the information is accurate when it goes through the rest of the destinations because you don't want to have a mistake in the information when it finally arrives at the head office.

Segment 2:

Appropriate transmission medium- Satellite because you need to make sure that the connection of the mobile phone and the data from the computer can be transmitted across mountains and you also need to make sure that the data can reach the next country telephone exchange and that the data is accurate when it arrives and that means it will still be accurate when it is transferred to the head office via the other connection points. That means that the information about the wines that the restaurants are acquiring about remains accurate until it arrives because the people don't want the information about the wines to have changed when it finally arrives at the head office.

Segment 3:

Appropriate transmission medium- Microwave because you have to transfer the information from the country telephone exchange to the Sydney telephone exchange and that means that it will change the written information into another mobile phone connection which means that you have to make sure that the information that you have been transferred from the last destination is the same as the information that you transferred from your computer and that it will be the same when it goes through the rest of the destinations and finally arrives at the head office building. The reason for this is that you don't want the transferred information to be different when it arrives because the orders may be urgent and the people might need the information about the wines for their restaurant straight away.

Segment 4:

Appropriate transmission medium- Microwave because you want to make sure that the information from the Sydney telephone exchange is accurate because it will be arriving at the final destination which is the head office. If the information isn't accurate then you will have to go through all of the other transmission mediums and see which one had the wrong information written in it which means it will be time consuming and the information that the restaurants need won't arrive on time and that

means that they could lose a manager of the restaurant if that continually happens to them.

b. Advantages:

Accurate information is an advantage because you want to make sure that the information that the managers at the restaurants doesn't have any mistakes in it. Transferring information by mobile phone is an advantage because it means that there is another way that you can transfer the information instead of transferring it by computer and that the other way of transferring the information is going to be quicker than typing it all up on the computer and then sending it to the manager at the restaurant.

Legible writing is an important advantage because you want to make sure that what you have written is easy to understand for the people who are writing to the manager at the restaurant because you don't want them to find information that is written there that the manager of the restaurant didn't need to know about.

c. Having a copy of the data dictionary would assist her to compose these queries is that it will be quicker for her to find the information and that means that she can type in the information that she needs onto her mobile phone or computer and she has to make sure that the information that she has copied from the data dictionary is accurate. She will need to make sure that the information is secure and protected by a firewall and she also has to make sure that only the other people who are working with her have passwords to get into the system. Another reason is that it will cut down on the delays that the managers of the different restaurants have to wait for the information if it hasn't arrived on the date that they wanted it to arrive.