

Critical systems requirements 3

Name:

1. What are the sub-concerns associated with the information quality concern in the MHCPMS?

Information integrity
Information accuracy
Information timeliness

2. What are the sub-concerns of the safety concern in the MHCPMS?

Patient safety
Staff safety
Public safety
Mental Health Act

3. List 4 generic questions associated with sub-concerns

What information relates to the sub-concern?
Who needs the information and when do they need it?
How is the information delivered?
What are the consequences of not delivering the information?

4. How do concerns help identify potential requirements conflicts

Requirements are associated with each concern and you can do an analysis at the concern level to see if conflicts are likely to arise.

5. Give the answers to the generic questions for the privacy concern in the MHCPMS?

All information in the system about individuals is covered by the Data Protection Act
All staff need to be aware of the implications of the Act
There are no specific information delivery requirements
Personal information may only be disclosed to accredited system users
Failure to address the concern could result in legal action against the trust and individuals

6. Why is it better to seek answers to questions (derived from concerns) from users rather than ask them for their requirements?

Users may not know how to express their needs in terms of requirements

Users may be too specific in expressing requirements. From answers to questions, it may be possible for a requirements engineering to derive more generic requirements.

7. How can concerns be used in a risk-based RE process based on hazard analysis?

Each hazard is considered to be a concern and the sub-concerns represent different aspects of that hazard. The low level questions ask about the situations in which that hazard can occur.

8. What are the activities in the DISCOS process?

Define concerns
Requirements discovery and analysis
Architectural design
Review and assessment