Here's the instantiated security case for the Instant Messaging (IM) software in a hierarchical tree format using dashes (-) to denote different levels:

```plaintext

- G1: IM software is acceptably secure in the system

- C1: Definition and description of IM software

- C2: Definition and description of system

- C3: Definition of acceptably secure

- S1: Argument that software assets are under protection

- J1: Protection of software assets supports that software is acceptably secure

- G2: All identified software critical assets are protected

- S2: Respective arguments of software critical assets

- C4: List of IM software critical assets

- J2: Relationship between assets is clear and can be argued separately

- G3: Registration information is protected

- S3: Argument of the type which the software critical asset belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4: Registration information which belongs to Data Storage is protected

- G3: Registration process is protected

- S3: Argument of the type which the software critical asset belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4: Registration process which belongs to Process is protected

- G3: User account information is protected

- S3: Argument of the type which the software critical asset belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4: User account information which belongs to Data Storage is protected

- G3: Authentication information is protected

- S3: Argument of the type which the software critical asset belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4: Authentication information which belongs to Data Exchange is protected

- G3: Login process is protected

- S3: Argument of the type which the software critical asset belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4: Login process which belongs to Process is protected

- G3: Chat logs are protected

- S3: Argument of the type which the software critical asset belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4: Chat logs which belongs to Data Storage is protected

```