Here is the security case for the Instant Messaging (IM) software presented in a hierarchical tree format:

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- G1: IM software is acceptably secure in IM system

- C1: Definition and description of IM software

- C2: Definition and description of IM system

- C3: Definition of acceptably secure

- S1: Argument that IM software assets are under protection

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

- G2: All identified IM software critical assets are protected

- S2: Respective arguments of IM software critical assets

- C4: List of IM software critical assets

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

- G3.1: Registration information is protected

- S3: Argument of the type which Registration information belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4.1: Registration information which belongs to Data Exchange is protected

- G3.2: Registration process is protected

- S3: Argument of the type which Registration process belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4.2: Registration process which belongs to Process is protected

- G3.3: User account information is protected

- S3: Argument of the type which User account information belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4.3: User account information which belongs to Data Storage is protected

- G3.4: Authentication information is protected

- S3: Argument of the type which Authentication information belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4.4: Authentication information which belongs to Data Exchange is protected

- G3.5: Login process is protected

- S3: Argument of the type which Login process belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4.5: Login process which belongs to Process is protected

- G3.6: Chat logs are protected

- S3: Argument of the type which Chat logs belongs to

- C5: List of software critical asset types in PEDD

- J3: Types of software assets are according to PEDD

- G4.6: Chat logs which belongs to Data Storage is protected

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