

Review of Group a by Group b

$$\begin{array}{ccccccc} \text{w} & & \text{x} & & \text{y} & & \text{z} \\ & & & & & & \\ & & \dots & & & & \end{array}$$

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Recall the following guidelines when writing your reports:

- *Adhere to the given templates.*
- *Refer to the security principles in the book for justification.*
- *Use clear terminology:*
 - *secure = confidential + authentic. Be clear about which properties you are writing.*
 - *Are pairwise distinct: certificate, private key, public key, archive to of certificate with private key. Please avoid mixing these up.*
- *Use a spell checker before hand-in!*

1 Background

Developers of the external system: x', y', z', \dots

Date of the review: ...

2 Report and Design Review

Study the documentation that came with the external system and evaluation.

2.1 System Architecture and Security Concepts

Is the chosen architecture well-suited for the tasks specified in the requirements?
Are the security design decisions well motivated and justified? List positive and negative aspects for each question.

2.2 Risk Analysis

Is the risk analysis coherent and complete? That is, are all relevant assets, threat sources, and threats listed? Are the risk definitions (likelihood, impact, and risk) reasonable? Are the countermeasures appropriate?

3 Implementation Review

3.1 Compliance with Requirements

Does the system meet the functional and security requirements given in the assignment? Are they implemented correctly? If not, list any missing functionality or security measure.

3.2 System Security Testing

Systematically investigate the system. Are the countermeasures implemented as described? Do you see any security problems? Analyze the system using both black-box as well as white-box testing.

3.3 Backdoors

Describe all backdoors that you found on the system. It may be that you also find unintended backdoors (only the group's presentation will show whether they were intended or not).

4 Comparison

Compare your system with the external system you were given for the review. Are there any remarkable highlights in your system or the external system?