

**(n)The ability to design a system that involves the integration of hardware and software components**

<b>Outcome</b>	<b>1 Exemplary</b>	<b>2 Proficient</b>	<b>3 Apprentice</b>	<b>4 Novice</b>
Selection of hardware equipment and software	Selection of hardware equipment and software follows a thorough approach where many criterions are used: performance, compatibility, standard compliance, protocol support, interoperability, manufacturer strength.	Selection of hardware equipment and software follows a thorough approach where few criterions are used: performance, compatibility, standard compliance. One or more relevant important criterions are ignored.	Selection of hardware equipment and software is based on the selection of a single manufacturer already integrated solution among several candidates.	Selection of hardware equipment and software is based on the suggestions of the marketing team of one single vendor
Integration Methodology	The integration methodology is well described and followed. Interfaces are well defined and their compatibility discussed. Use of an integration plan featuring integration phases and a test plan for each phase.	The integration methodology is well described and followed. Interfaces are mentioned but their compatibility is not considered. No use of an integration plan. Some mention of a test plan.	The integration methodology is not described properly and not always followed. Interfaces are not mentioned. No use of an integration plan. Tests are carried out without a plan.	An ad-hoc integration (No) methodology is followed but not described. No use of an integration plan. Tests are carried out without a plan.