* For the architectural description above, discuss what (if anything) should be changed or added for it to comply with the IEEE recommended practice for architectural description
* Consider the definition of software architecture by [Perry and Wolf, 1992]. Discuss what the 'elements', 'form', and 'rationale' according to this definition would be for the HS07 system

Changes for the Software Architecture Description to comply with “IEEE Reccomended Practice for Architectural Description of Software-Intensive Systems”.

IEEE specifies these elements to be in Architectural descriptions

Architectural documentation

This element contains information about the architectural document, like summary, change history, references and scope. This document has date, author and abstract but lacks glossary, hange history scope, status of the architectural description and glossary.

Stakeholders and concerns

Stakeholders are not identified for this system. To comply with IEEE users, acquirers, developers and maintainers of the system should be identified and their concerns registered.

Architectural viewpoints and views

This document uses the module, component & connector and the allocation viewpoints and corresponding views.

Consistency among architectural views

No consistency analysis has been made of the architectural description. This is required by IEEE.

Rationale

A rationale should be recorded for decicions made and alternative concepts should also be documented.

In [Perry and Wolf, 1992] there are 3 kinds of elements: processing elements, data elements and connecting elements. In our case the classes of the class diagram in figure 3 are processing elements, and the data elements are few and simple. We have temperatures being processed and the radiators have a state (on or off). The ProtocolServlet and the Invoker classes are connecting elements.