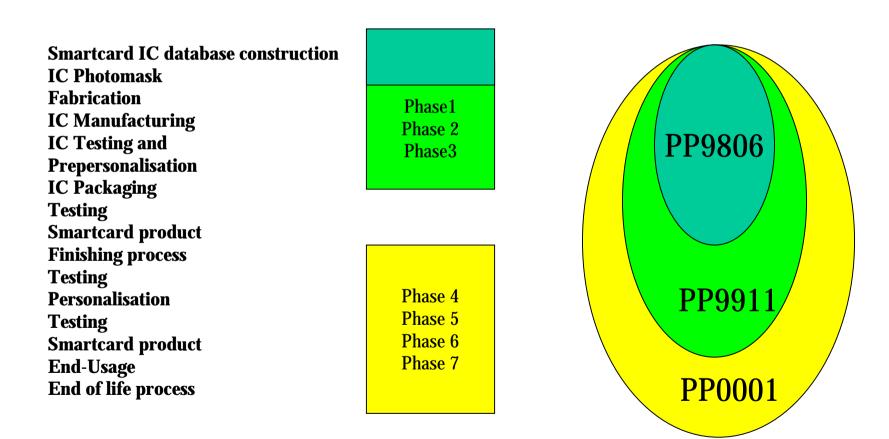
## Toward common understanding for smartcard PPs

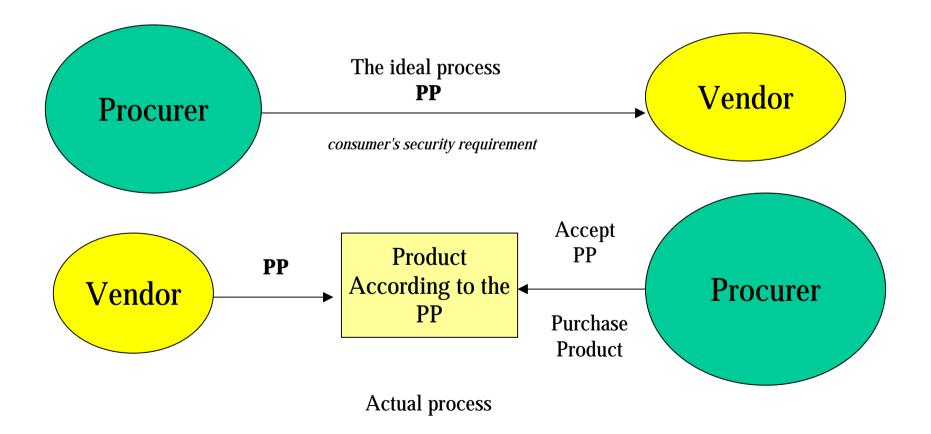
2001/03/29 Yasuyoshi Uemura ECSEC

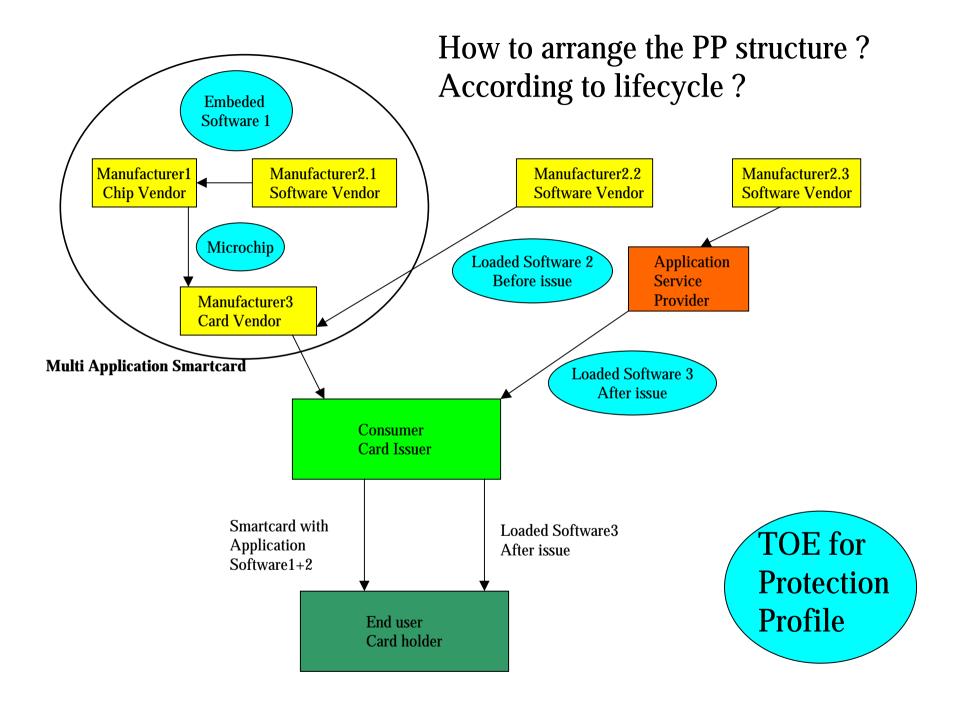
## PP Developing according to Lifecycle Eurosmart 's approach



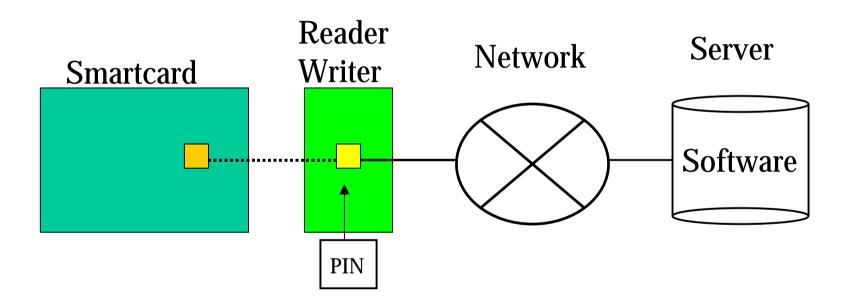
## The ideal process SCSUG approach As the PP is primary for consumer's security requirement in procurement, the SCSUG process should be ideal.

But this approach is not acceptable to whom developing parts of products. For example, some vendors are developing IC chips before the negotiating from the smartcard manufacturers.



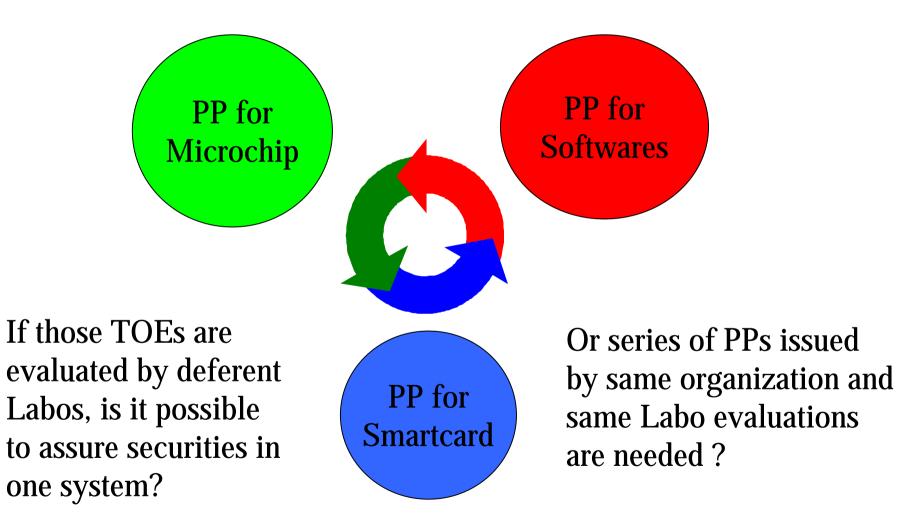


How to keep hole system security? Evaluations for each elements are needed? How to describe human factor? How to arrange too many asumptions?



Is it enough to use Common Criteria or not?

Will they be independent or not?



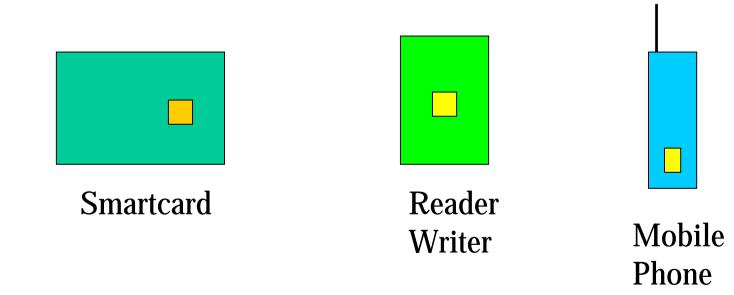
Key issue should be keeping security of microchips.

Why microchip?

It is key element to keep security of smarcard system.

It is easy to close the unit.

It will be used not only in smartcard system but also be used in mobile system.



Keeping security of microchip developing process.Keeping security of microchip product process.Keeping security of microchip itself.Keeping security of microchip embeded softwares.

What is needed?

PP series Implimentation technology Testing process, testing devices, testing method Evaluation Labos who have enough skill to testing hardware