Tier. PCS Core

Principle. *"The system is made of loosely coupled components."*

Rationale.

There are many different types of communication protocols currently supported to deliver Cargo related messages or request Cargo related information by customers. To be able to handle all kinds communication, loosely coupled components are necessary.

E.g., the PCS Core System is implemented in Sub-Components and is loosely coupled to the Business Engine which is implemented outside of the Core. In addition, the responsibilities of the components are distributed across different layers and messages (i.e., API) are used for communication between the layers.

Sustainability Quality Attribute	*Schiphol Goal and Metric/KPI*	*Tool*
TECHNICAL **Modularity.**	**ETO2 - Reliable Delivery** NoDaR - Number of Defects after Release	**DevOps Pipeline + APM**
ECONOMIC **Effectiveness.**	**PR2 - Increase efficiency** CpC - Costs per Change	**JIRA**
SOCIAL **Usefulness.**	**ASM4 - Robust Organization** OCS - Overall Customer Satisfaction	**Surveys among internal and external customers**
ENVIRON. **Reusability.**	**ETO1 - Realize enabling technology outlook** NoETBB - Number of ET Building Blocks	**ICD + NodeMap**