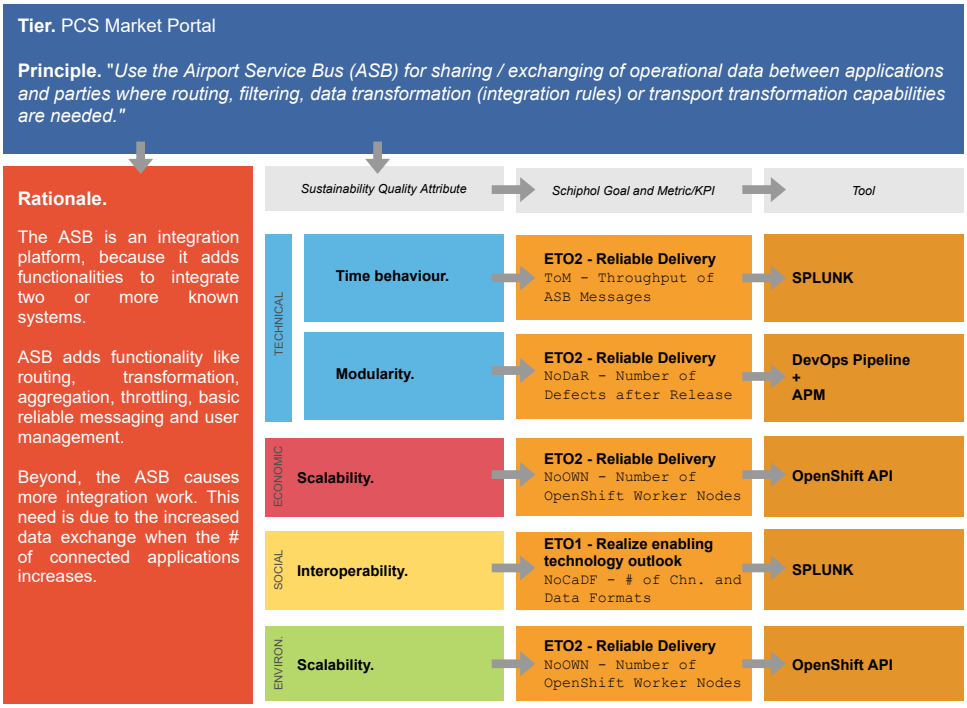
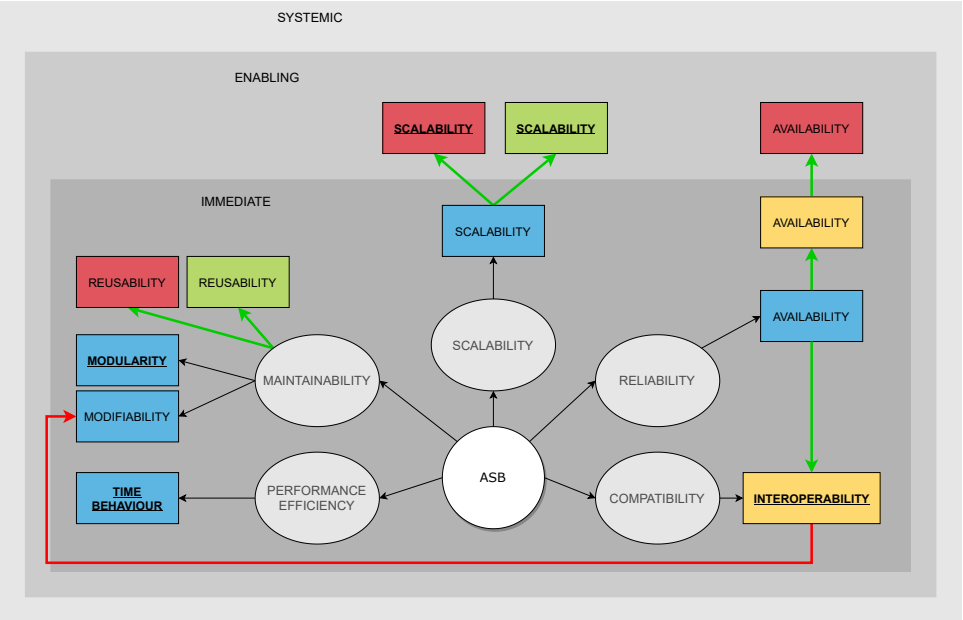


PRSM+T model - PCS Market Portal.



Decision Map - PCS Market Portal.

ISO/IEC 25010 Quality Model		Sustainability Dimension			
Characteristics	Attributes	Technical	Environmental	Economic	Social
Maintainability	Reusability		Reusing the ASB as a building block beyond PCS boundaries saves resources.	Reusing the ASB as a building block beyond PCS boundaries reduces implementation and modification costs.	
	Modularity	The ASB is responsible to act as an additional layer to de-couple the external systems from the core system. The ASB is in-between and takes care of the translation. Changes at external systems does not affect the core - and the other way around.			
Performance efficiency	Time behaviour	The PCS integration / connection to the ASB does not affect the response, processing times and throughput rates of other systems and meets the PCS requirements.	The PCS integration / connection to the ASB meets the resource requirements regarding the response, processing times and throughput rates. Hence, the ASB meets the environmental requirements.		
Reliability	Availability	The ASB is operational and accessible when the PCS solution needs it. Availability is ensured by the cloud provider (ASB 2.0) and guaranteed by using redundancy.		The ASB is operational and accessible when the PCS solution needs it. If so, the customers are able to use the PCS solution and hence, economic aspects are satisfied. However, downtime would cause irregulations in the Cargo process, would lead to flight delays and cause enormous economic costs.	The ASB is operational and accessible when the PCS solution needs it. If so, internal and external users, especially the customs can use it which leads to a controlled Cargo process.
Compatibility	Interoperability				By using the ASB for the PCS solution, information can be received and exchanged with other systems and other users beyond the internal and external stakeholders.
Scalability	Scalability	Scalability is achieved by using OS-level virtualization methods, i.e. containerization. This technology allows dynamic scaling of resources.	Containerization allows dynamic scaling of resources which leads to better energy efficiency.	The ASB (2.0) has the ability to scale and can be used across PCS boundaries. By using the ASB for a variety of systems without implementing a new scalability mechanism, costs are mitigated.	

SQ model - PCS Market Portal.