

DIGITAL STRUCTURAL DAMAGE DECISION SUPPORT

ABSTRACT

Aspects herein use a Digital SRM (DSRM) with a maintenance user interface. In one embodiment, the DSRM is a Knowledge Graph (KG) of nodes and edges which uses natural language processing (NLP) and image processing to retrieve relevant information derived from SRM PDF documents. In the KG, Entity descriptions contribute to one another, forming a network, where each entity represents part of the description of the entities in which each entity is related. The entities have properties describing each entity and each entity is interlinked via relationships such as allowable damage limits (ADL).

Fig. 8