System Type: atis General System

(System type is part of the metatheory and describes configurations and properties that characterize a specific system.)

General system, G, $=_{df}$ a set of partitioned components, affect relations, transition functions, linearly-ordered time set, qualifiers, and a system state-transition function.

A set of affect-relations which determine a set of partitioned components defined by component-qualifiers, transition functions, a time sequence, and a state-transition function.

$$G = _{\mathrm{df}} [\mathcal{A} \Vdash (\mathcal{P}(\mathcal{Q}, \mathcal{T}, \mathcal{T}, \sigma))]$$

General system is defined as a set of partitioned components on which are defined relations that are sequenced by a time-set, controlled by a qualifier-set, and mapped by a system state-transition function. This definition has been refined from that given in Report #2-1, 'General System' Defined for predictive Technologies of ATIS. Whereas that report has a transition functions set as a parameter of General System, which has now been replaced with the qualifier set. This revision results in a more refined definition of General System since qualifiers in fact determine all of the properties defined by the transition functions set.