System Type: \textit{IntentionalSystem}

(System type is part of the metatheory and is defined by characterizations of those system properties that define such a system.)

\textbf{Intentional system, } \mathcal{I}(\mathcal{S}), =_{\text{df}} \text{ Dynamic teleological system, } \mathcal{D}(\mathcal{S}), =_{\text{df}} \text{ Leadership subsystem-directed system behavior, such that the leadership subsystem controls the system’s behavior in a manner determined by the Leadership subsystem’s goals.}

\mathcal{I}(\mathcal{S}) =_{\text{df}} \mathcal{D}(\mathcal{S}) =_{\text{df}} \mathcal{S} \mid \exists \mathcal{W} \subseteq \mathcal{S} (G: (\mathcal{LW}) \rightarrow B(\mathcal{S}))

Where, ‘G’ is a goal-function-process that maps the leadership subsystem-directed goals onto the system behavior.

\textbf{Intentional system} is defined as a system; such that, there is a \textit{leadership subsystem} of the system such that the \textit{goal-function-process} maps the \textit{leadership subsystem goals} onto the \textit{system behavior}.

See ‘Dynamic teleological system’ for a discussion of this property.