

## Event Type: *atis* ConditionalEvent

(*Event type* is part of the metatheory and describes configurations and properties that characterize a particular event.)

**Conditional event- $\mathfrak{x}$** ,  ${}_c\mathcal{E}_{\mathfrak{x}}(\mathfrak{S})$ , =<sub>df</sub> an event that depends on another event.

$${}_c\mathcal{E}_{\mathfrak{x}}(\mathfrak{S}) =_{df} \mathcal{E}_{\mathfrak{x}}(\mathfrak{S}) \mid \exists \mathcal{E}_{\mathfrak{y}}(\mathfrak{S}) [(\mathcal{E}_{\mathfrak{y}}(\mathfrak{S}) \Vdash \mathcal{E}_{\mathfrak{x}}(\mathfrak{S})) \wedge (\sim \mathcal{E}_{\mathfrak{y}}(\mathfrak{S}) \vdash \sim \mathcal{E}_{\mathfrak{x}}(\mathfrak{S}))]$$

**Conditional event- $\mathfrak{x}$**  is defined as an event- $\mathfrak{x}$  such that; there exists an event- $\mathfrak{y}$  such that event- $\mathfrak{y}$  yields event- $\mathfrak{x}$ , and if there is no event- $\mathfrak{y}$ , then no event- $\mathfrak{y}$  yields no event- $\mathfrak{x}$ .

**Conditional event- $\mathfrak{x}$**  is dependent upon but is not caused by event- $\mathfrak{y}$ .