effect-p^{0,22}

$@i$ events of kind k change x to f State(ds) (val:T)
$\equiv_{\text{def}}$ ($\forall x$:Id. vartype(i;x) $\subseteq \rho$ $ds(x)$?Top) & kindtype(i;k) $\subseteq \rho$ T
& $\forall e@i$. kind(e) $= k \Rightarrow$ valtype(e) $\subseteq \rho$ T & (x after e) $= f$((state when e),val(e))

clarification:

effect-p(es;i;ds;k;T;x;f)
$\equiv_{\text{def}}$ ($\forall x$:Id. es-vartype(es; i; x) $\subseteq \rho$ fpf-cap(ds;IdDeq;x;Top)) & es-kindtype(es;i;k) $\subseteq \rho$ T
& alle-at(es;i;e.es-kind(es; e) $= k \in$ Knd
$\Rightarrow$ es-valtype(es; e) $\subseteq \rho$ T
& es-after(es; x; e)
$=$
f(es-state-when(es;e),es-val(es; e))
$\in$ fpf-cap(ds;IdDeq;x;Top))

http://www.cs.cornell.edu/Info/Projects/NuPrl/FDLcontent/p0_286125_/p32_338985_{effect-p}.html