chain-path-ordered[13,45]

$\forall es$:ES, Cmd:Type, In:AbsInterface(Cmd), $isupdate$:($Cmd \to \mathbb{B}$), Sys, Out:AbsInterface(Top).

$(\mathrm{E}(In) \subseteq \mathrm{r}\ \mathrm{E}(Sys))$

$\Rightarrow (\forall f$:sys-antecedent(es;Sys).

   $(\forall e$:E(In). $f(e) = e \in \mathrm{E}$)

   $\Rightarrow (\forall chain$:(E($Sys$)$\to$(Id List)).

     chain-consistent(f;$chain$) $\Rightarrow (\forall x, y$:E($Sys$). x is $f*(y) \Rightarrow \mathrm{loc}(x) <<= \mathrm{loc}(y))))$