ma-frame-compat[11,40]

ma-frame-compat(A;B)
$\equiv_{\text{def}}$ $\forall a{\in}\text{dom}((A.2.2.2).1).\ p{=}(A.2.2.2).1(a) \Rightarrow B.\text{rframe}(A.\text{pre } p \text{ for } a)$
& $\forall kx{\in}\text{dom}((A.2.2.2.2).1).$

$ef{=}(A.2.2.2.2).1(kx) \Rightarrow$
$B.\text{frame}(kx.1 \text{ affects } kx.2)$
& $B.\text{aframe}(kx.1 \text{ affects } kx.2)$
& $B.\text{rframe}(A.\text{effect } ef \text{ of } kx.1 \text{ on } kx.2)$
& $\forall kl{\in}\text{dom}((A.2.2.2.2.2).1).$

$snd{=}(A.2.2.2.2.2).1(kl) \Rightarrow$
$(\forall tg{:}\text{Id}.\ (tg \in \text{map}(\lambda p.p.1;snd)) \Rightarrow B.\text{sframe}(kl.1 \text{ sends } <kl.2,tg>))$
& $B.\text{bframe}(kl.1 \text{ sends on } kl.2)$
& $B.\text{rframe}(A.\text{sends } snd \text{ of } kl.1 \text{ on } kl.2)$

clarification:

ma-frame-compat(A;B)
$\equiv_{\text{def}}$ IdIdDeq$\forall a{\in}\text{dom}((A.2.2.2).1).\ p{=}(A.2.2.2).1(a) \Rightarrow B.\text{rframe}(A.\text{pre } p \text{ for } a)$
& (:Knd $\times$ Id)product-deq(Knd;Id;KindDeq;IdDeq)$\forall kx{\in}\text{dom}((A.2.2.2.2).1).$

$ef{=}(A.2.2.2.2).1(kx) \Rightarrow$
$B.\text{frame}(kx.1 \text{ affects } kx.2)$
& $B.\text{aframe}(kx.1 \text{ affects } kx.2)$
& $B.\text{rframe}(A.\text{effect } ef \text{ of } kx.1 \text{ on } kx.2)$
& (:Knd $\times$ IdLnk)product-deq(Knd;IdLnk;KindDeq;IdLnkDeq)$\forall kl{\in}\text{dom}((A.2.2.2.2.2).1).$

$snd{=}(A.2.2.2.2.2).1(kl) \Rightarrow$
$(\forall tg{:}\text{Id}.\ (tg \in \text{map}(\lambda p.p.1;snd) \in \text{Id}) \Rightarrow B.\text{sframe}(kl.1 \text{ sends } <kl.2,tg>))$
& $B.\text{bframe}(kl.1 \text{ sends on } kl.2)$
& $B.\text{rframe}(A.\text{sends } snd \text{ of } kl.1 \text{ on } kl.2)$

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http://www.nuprl.org/FDLcontent/p0_963683_/p30_886148_{ma-frame-compat}.html