

Cabin Lifecycle DFDs

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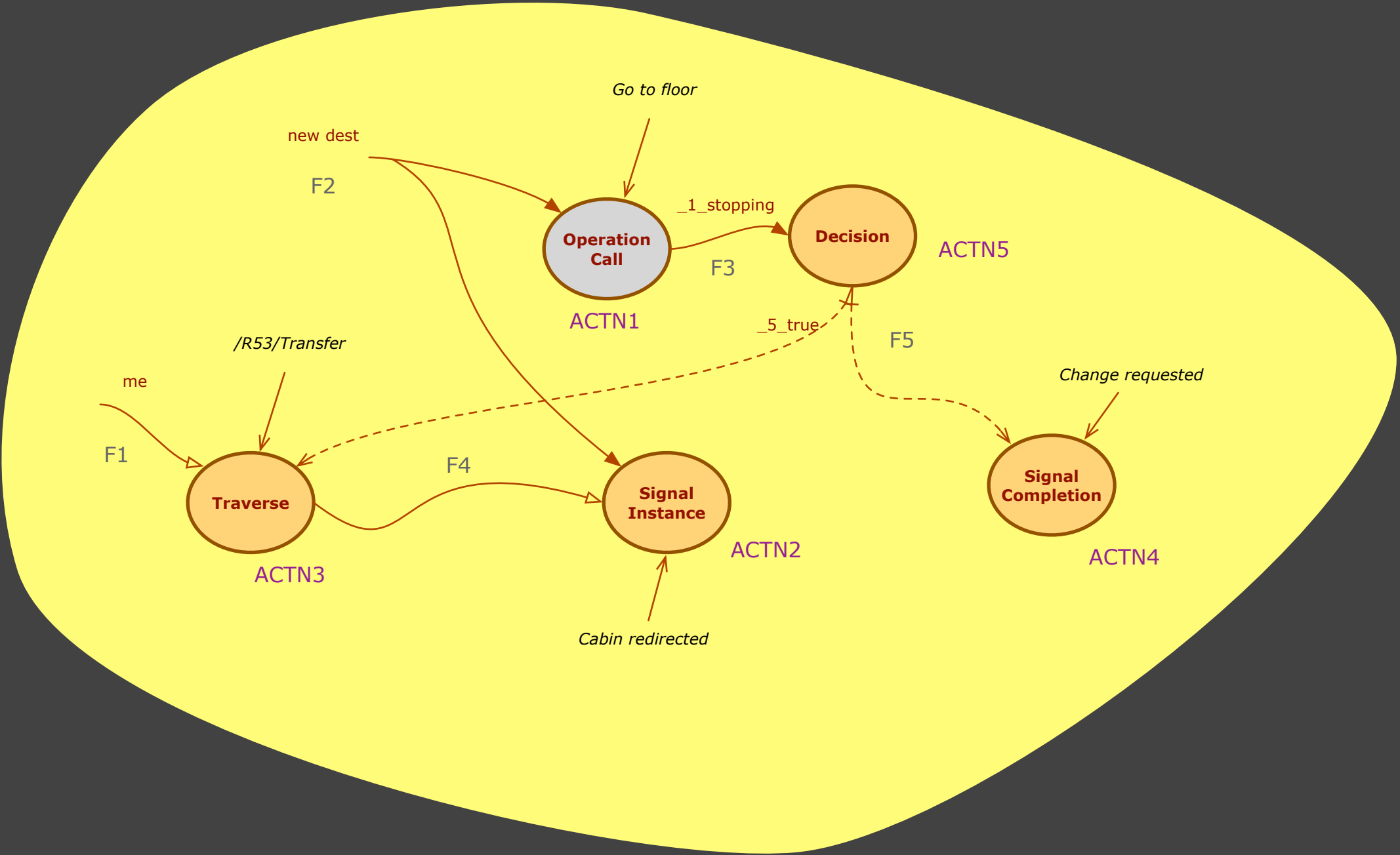
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MODEL INTEGRATION, LLC

A28

Changing destination

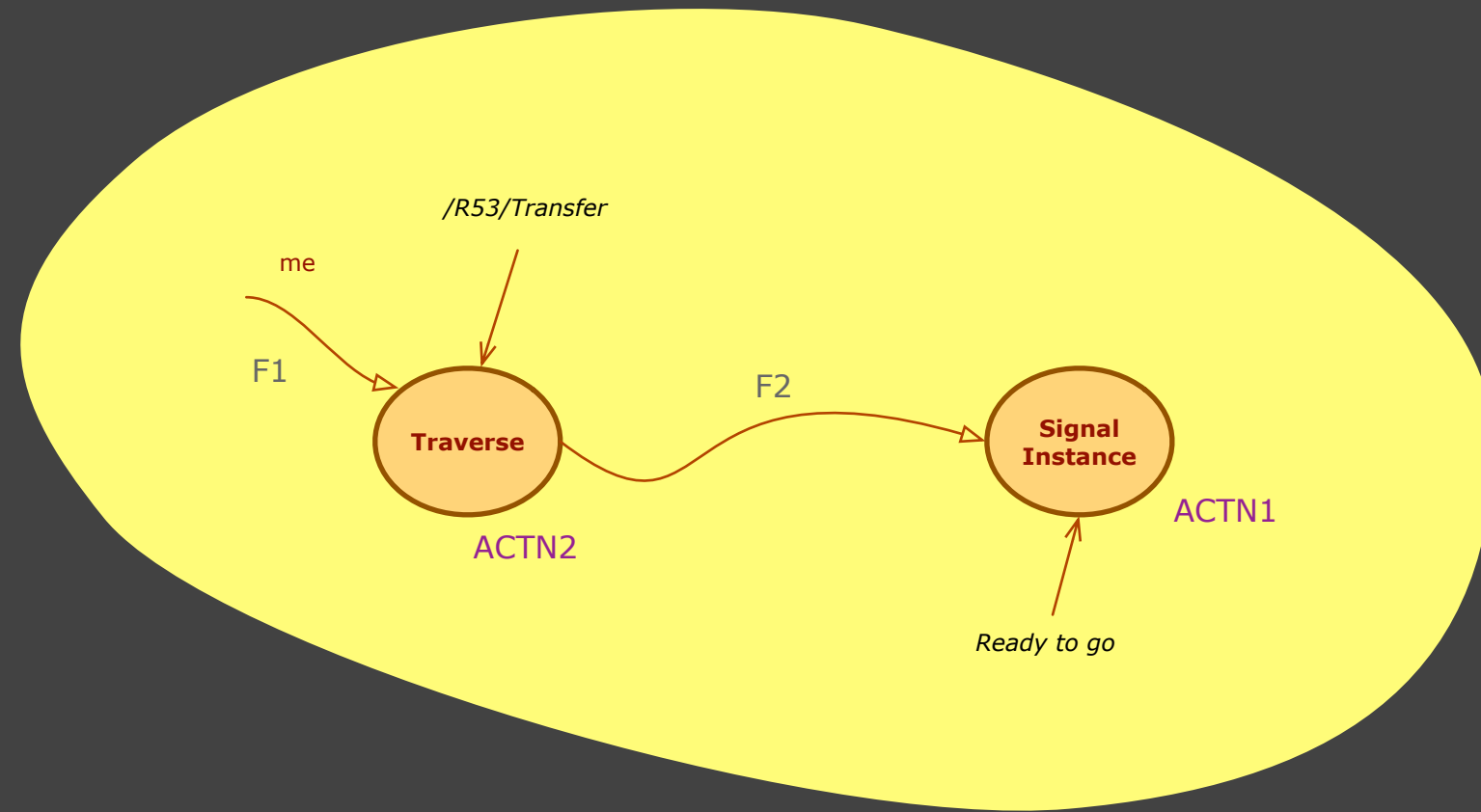
```
~.Go to floor( Dest floor: ^new dest )? {  
  Cabin redirected( Updated dest: ^new dest ) -> /R53/Transfer  
  Change requested -> me  
}
```



A30

READY TO GO

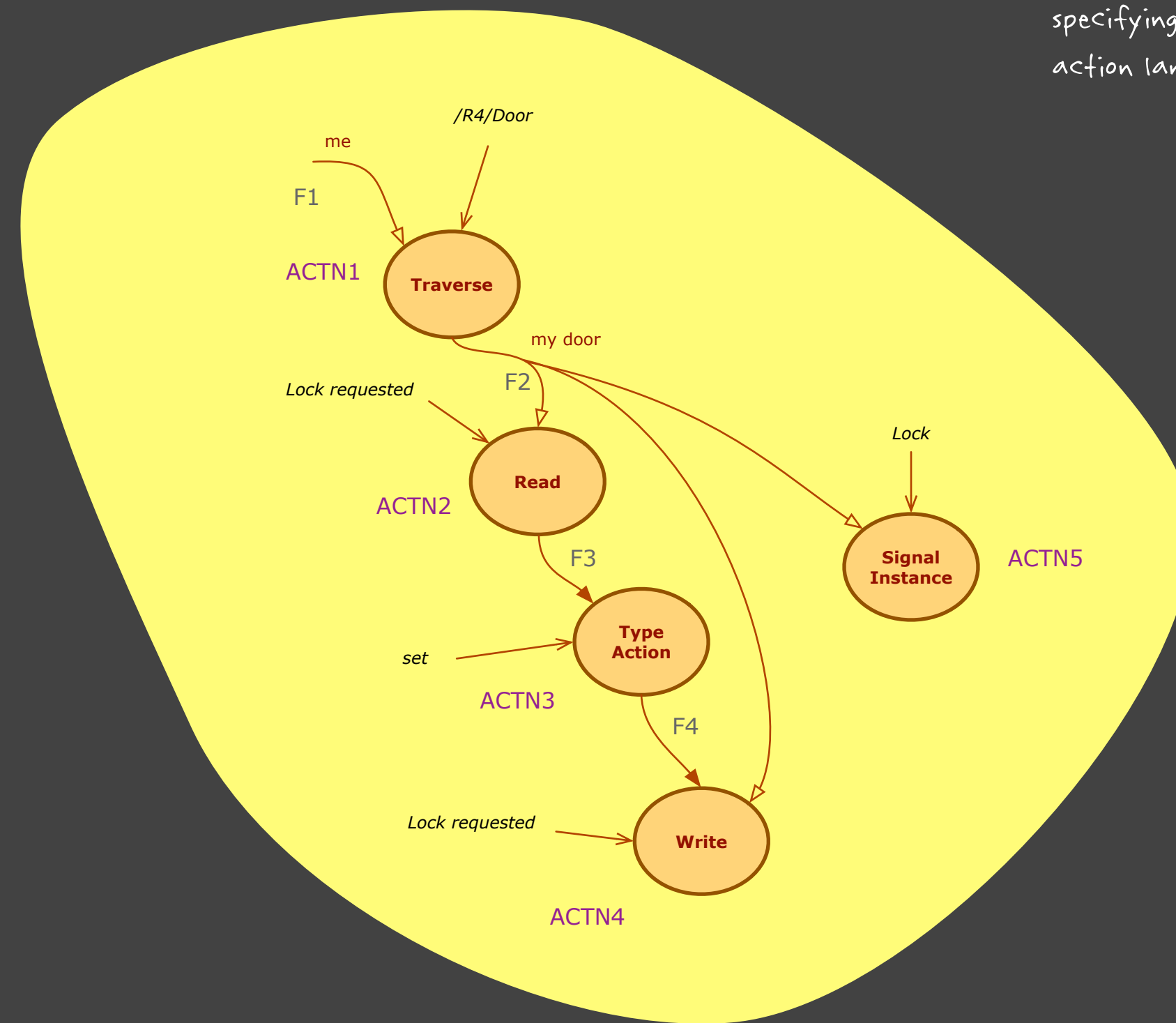
Ready to go -> /R53/Transfer



A32



By assigning the traversal result to a labeled flow, we avoid specifying two identical traverse actions as we do with the alternate action language (see next page).



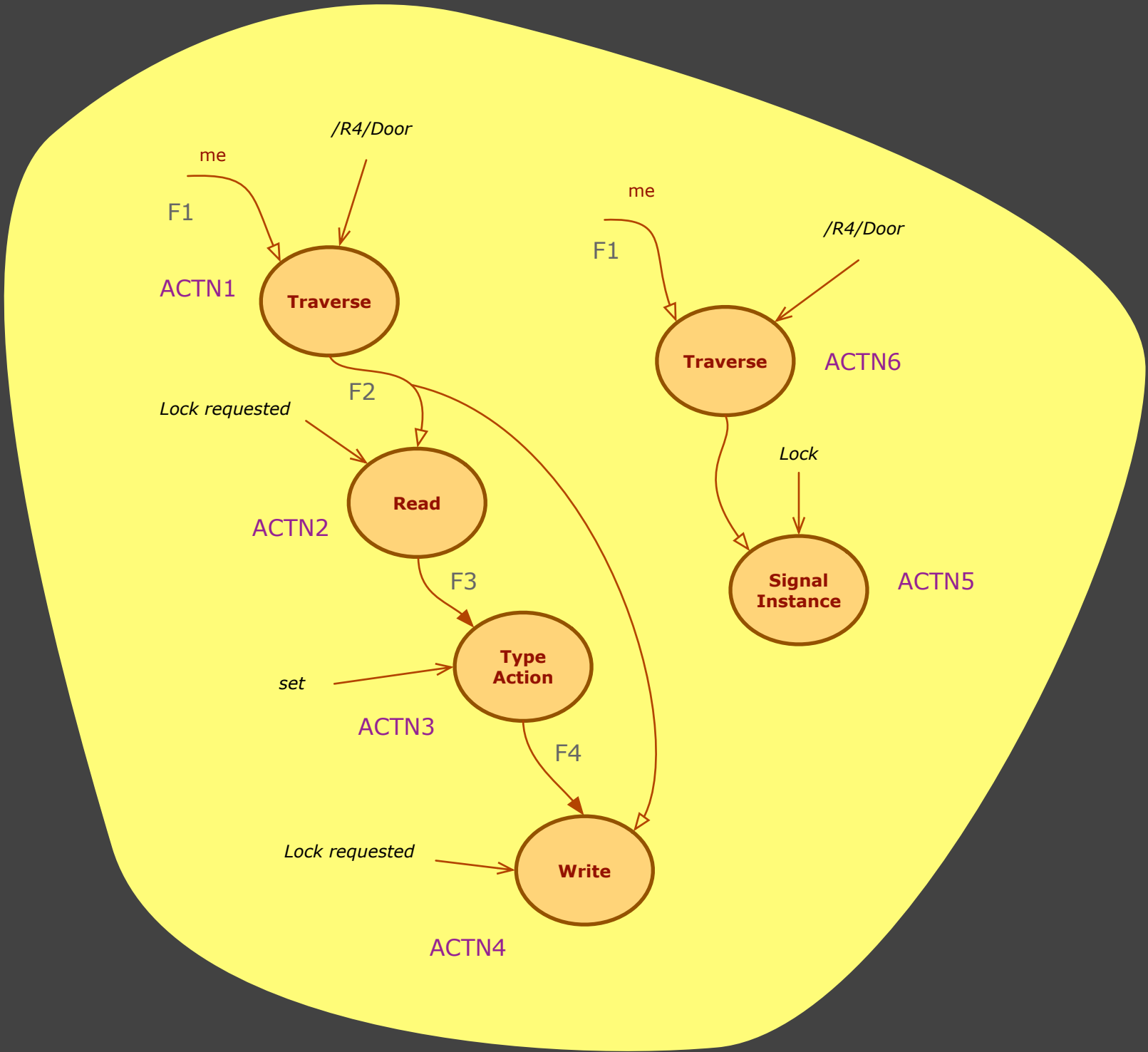
Of course we could post process the action recognizing and replacing the duplicate actions. And in the future, we should definitely perform flow graph optimizations prior to execution. For now, let's just simplify the action language we write.

A32

SECURING DOORS

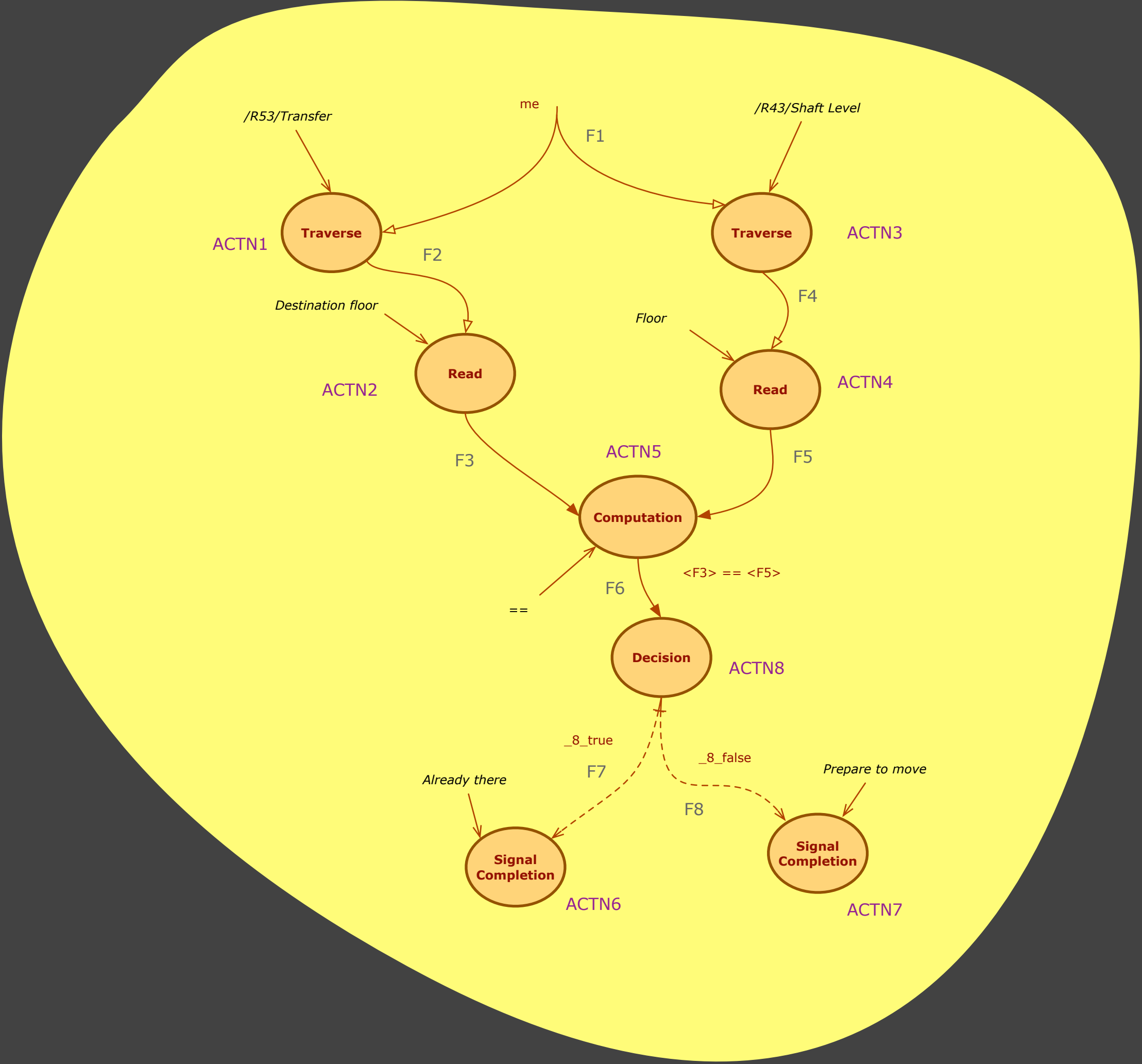
/R4/Door.Lock requested.set

Lock -> /R4/Door



A33

Are we already there?
/R53/Transfer.Destination floor == /R43/Shaft Level.Floor ? Already there -> : Prepare to move -> me



A34

PICKUP DROPOFF

Cabin at destination -> /R53/Transfer
Unlock -> /R4/Door
! /R2/Shaft.In service ? Take out of service -> me

