Agent Dialogue: Alice (Procurement) & Bob (Warehouse)

Step 1: Alice asks Bob about stock

```
(KQML
:sender Alice
:receiver Bob
:performative ask-one
:content
    (KIF
    (available-stock "television"
        (size "50-inch")))

)
```

Step 2: Bob replies with available stock

```
(KQML
 :sender Bob
:receiver Alice
:performative tell
:content
  (KIF
    (= (available-stock "television" (size "50-inch")) 120))
 )
```

(Bob informs Alice that 120 units of 50-inch televisions are in stock.)

Step 3: Alice asks about HDMI slots

```
(KQML
:sender Alice
:receiver Bob
:performative ask-one
:content
    (KIF
    (hdmi-slots "television" (size "50-inch")))
)
```

Step 4: Bob replies with specification

```
(KQML
:sender Bob
:receiver Alice
:performative tell
:content
    (KIF
    (= (hdmi-slots "television" (size "50-inch")) 3))
)
```

(Bob informs Alice that each 50-inch television has 3 HDMI slots.