





```
Enum user_role {  
    CITIZEN  
    COLLECTOR  
    RECYCLER  
    GOVT  
    ADMIN  
}
```

```
Enum device_state {  
    ACTIVE  
    RECYCLING_REQUESTED  
    COLLECTOR_ASSIGNED  
    COLLECTED  
    DELIVERED_TO_RECYCLER  
    RECYCLED  
    DISPUTE_PENDING  
    CANCELLED  
}
```

```
Enum uid_origin {  
    MANUFACTURER  
    SYSTEM  
}
```