SIMULATION
CONTROLLER
MODULE (1)

SIMULATION
CONTROLLER
BACKGROUND (2)

SIMULATION
CONTROLLER
OPERATOR
INPUT (2)

SIMULATION
CONTROLLER
DISPLAY (2)

EXPRESSION
EVALUATOR
(4)

SCENARIO
SUBMODULE
(3)

ENGINEERING*
MODULE
(1)

INITIALIZE A
SPECIFIED
MODULE (3)

ASSIGN A VALUE
TO A SPECIFIED
VARIABLE (3)

EXPRESSION
EVALUATOR
(4)

COMMUNICATIONS*
MODULE
(1)

NAVIGATION *
MODULE
(1)

DISPLAY VALUE
OF A SPECIFIED
VARIABLE (3)

DISPLAY ALL
VARIABLES OF
A SPECIFIED
MODULE (3)

HELM   *
MODULE
(1)

SCIENCES   *
MODULE
(1)

CREATE AN
ENEMY CRAFT
(3)

CREATE A
FEDERATION
CRAFT (3)

MEDICAL   *
MODULE
(1)

CREATE A
CELESTIAL
OBJECT (3)

RUN
INPUT
SCENARIO (3)

BEGIN EXECUTION
OF ALL
MODULES (3)

BEGIN EXECUTION
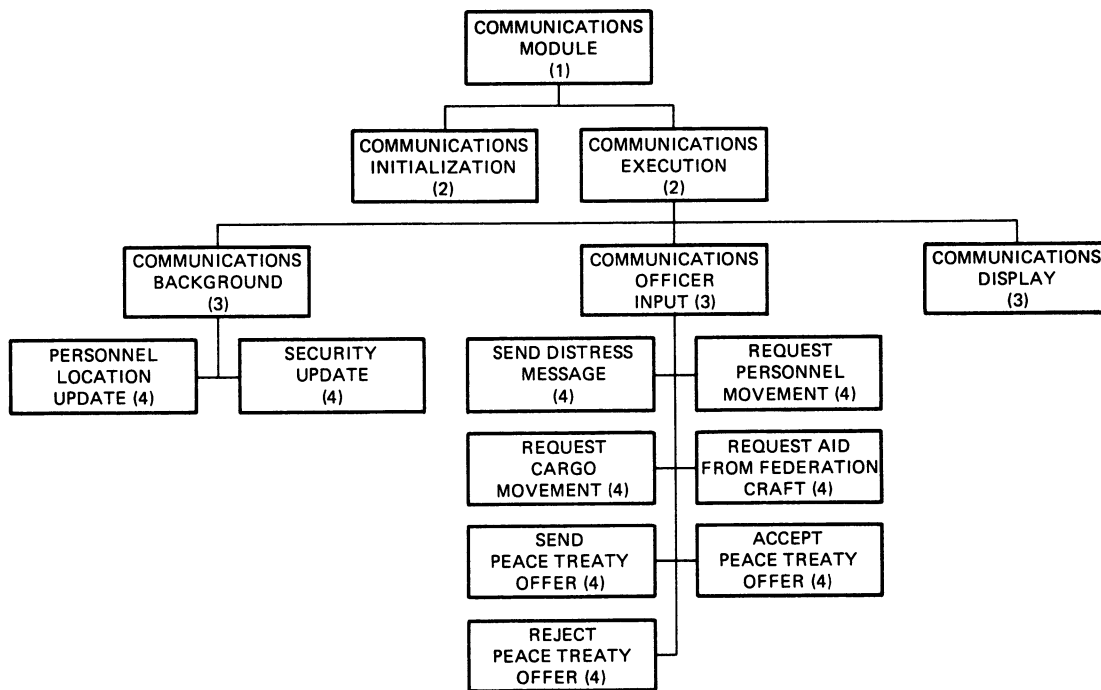OF SPECIFIED
MODULE (3)

HALT
SPECIFIED
MODULE (3)

Figure 3.18 SIMULATION CONTROLLER: SUBMODULE INTERRELATIONSHIPS
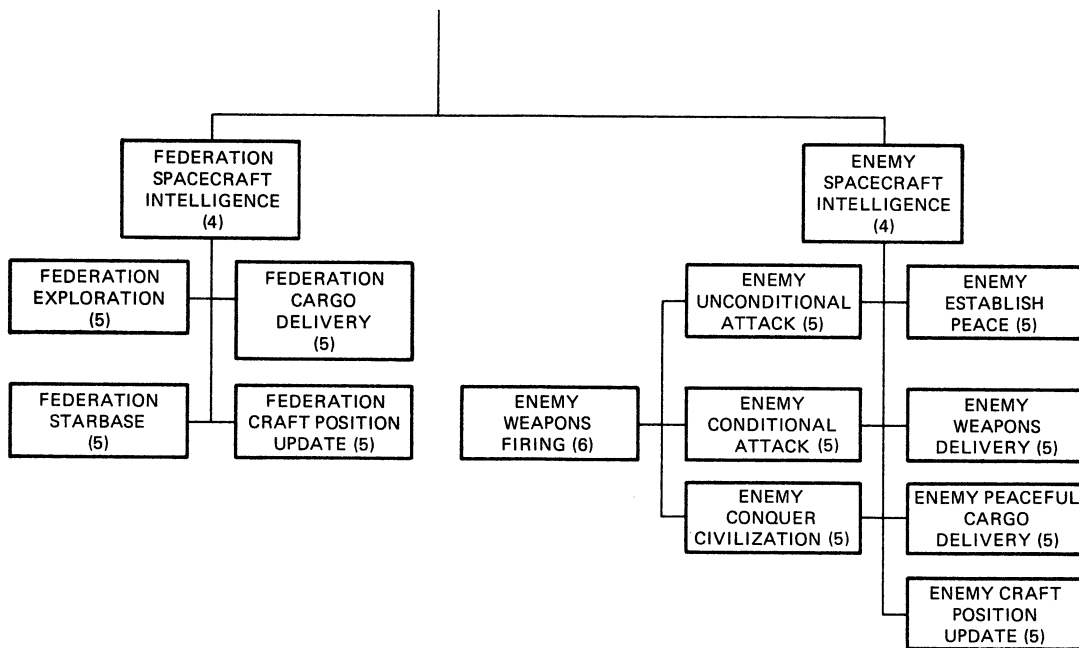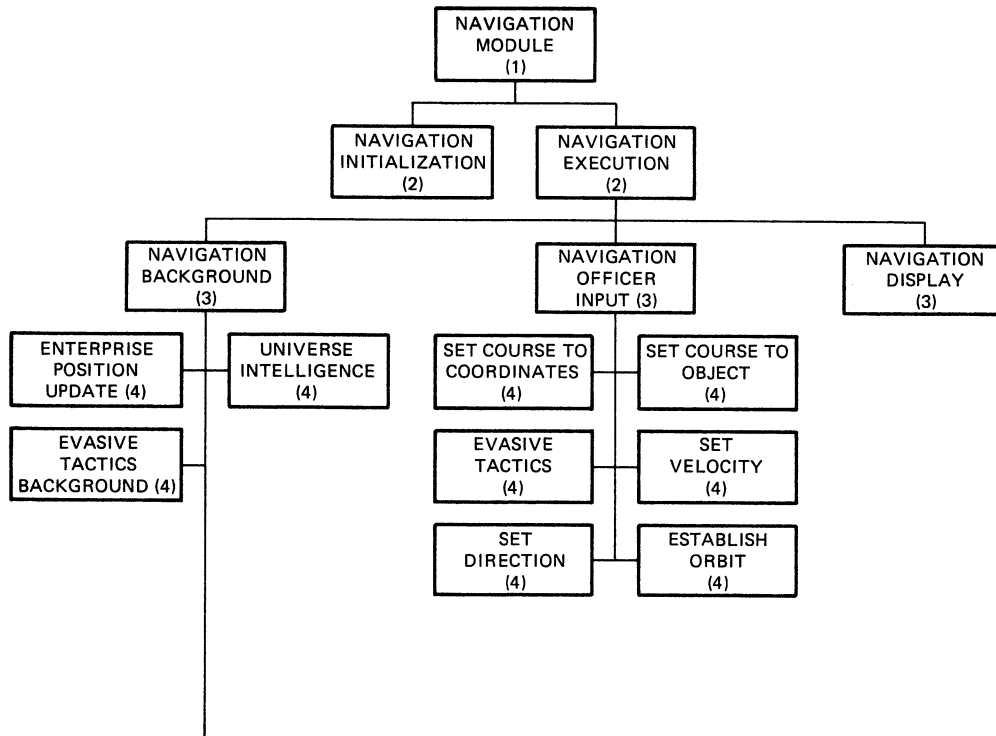
Figure 3.20 COMMUNICATIONS: SUBMODULE INTERRELATIONSHIPS
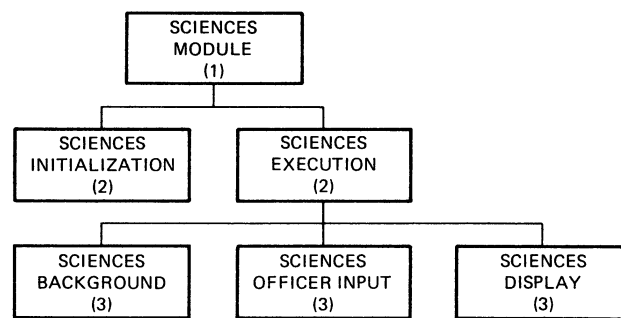
Figure 3.21 NAVIGATION: SUBMODULE INTERRELATIONSHIPS

Figure 3.23 SCIENCES: SUBMODULE INTERRELATIONSHIPS

Figure 3.25 ENGINEERNG: SUBMODULE INTERRELATIONSHIPS

```
                    ┌─────────────┐
                    │   MEDICAL   │
                    │   MODULE    │
                    │     (1)     │
                    └──────┬──────┘
              ┌────────────┴────────────┐
    ┌─────────────────┐        ┌─────────────────┐
    │    MEDICAL      │        │    MEDICAL      │
    │ INITIALIZATION  │        │   EXECUTION     │
    │       (2)       │        │      (2)        │
    └─────────────────┘        └────────┬────────┘
                            ┌────────────┴────────────┐
                    ┌─────────────────┐      ┌─────────────────┐
                    │    MEDICAL      │      │    MEDICAL      │
                    │  BACKGROUND     │      │    DISPLAY      │
                    │      (3)        │      │      (3)        │
                    └─────────────────┘      └─────────────────┘
```
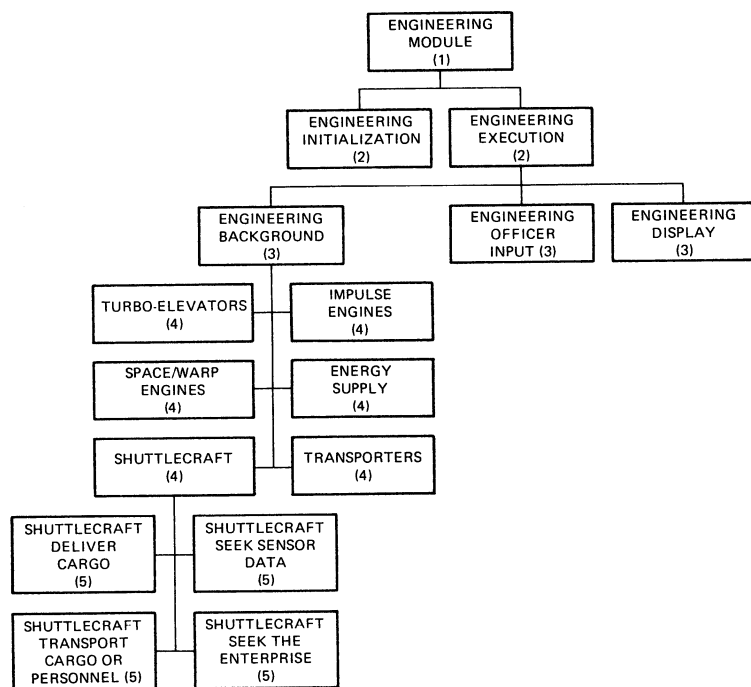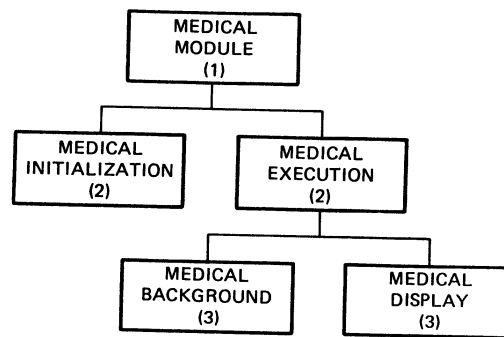
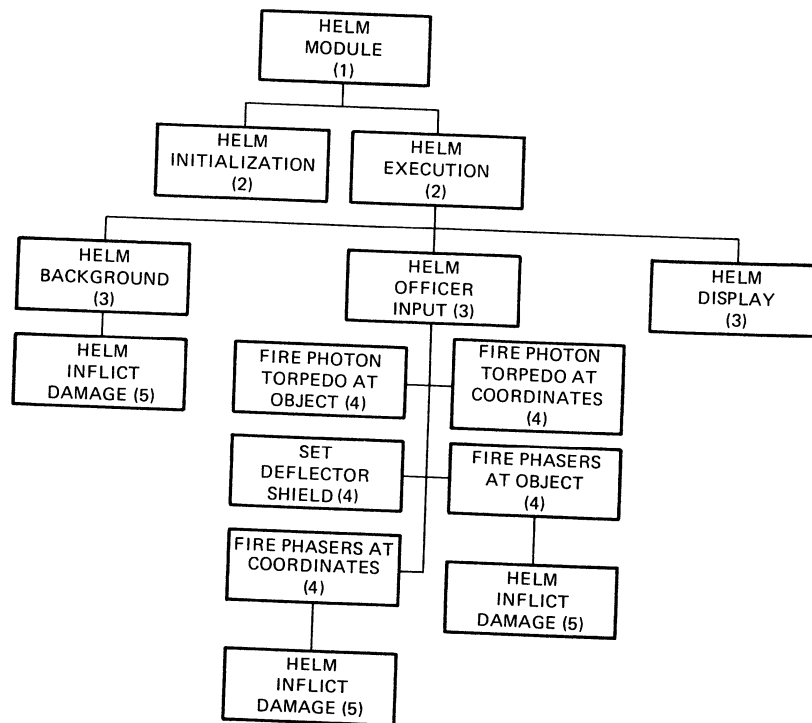**Figure 3.27 MEDICAL: SUBMODULE INTERRELATIONSHIPS**

Figure 3.28 HELM: SUBMODULE INTERRELATIONSHIPS

LOCAL DATA

TENTATIVE DAMAGE LEVELS ( )

Figure 3.29 HELM MODULE