

Structs :

plan_rec_struct

```
%Make policy struct array
Cmp_struct = struct('CmpPol', zeros(1,5) , 'Discovered', [0 0], 'CmpFor',
zeros(1,4));
Plt_struct = struct('PltPol', zeros(1,4));
plan_rec_struct{1} = Cmp_struct;
plan_rec_struct{2} = Plt_struct;
plan_rec_struct{3} = Plt_struct;
plan_rec_struct{4} = Plt_struct;
```

struct_enemy_comp(comp_id)

```
struct_enemy_comp(comp_id) = struct('id',[cmp' num2str(comp_id)],'plt',
platoon);
where
platoon(i) = struct('id',{},
'obs_time',{},'radius',{},'est_pos',{},'real_pos',{},'velocity',{});
```

sensor(i)

```
sensor = struct('id',{},'available',{},'pos',{},'max_speed',{},'cost',{},'time_to_target',
{},'target_id',{});
```

image_struct

```
image_struct = struct('image', image_matrix , 'Roads', Black, 'Cover', Green,
'Water', Water);
```

roads_struct

```
roads_struct = struct('roadPoints', roadPoints, 'positionRoad_no',
positionRoad_no, 'node1Node2Road_noCost', node1Node2Road_noCost,
'nodes' , nodes, 'costMap', costMap);
```